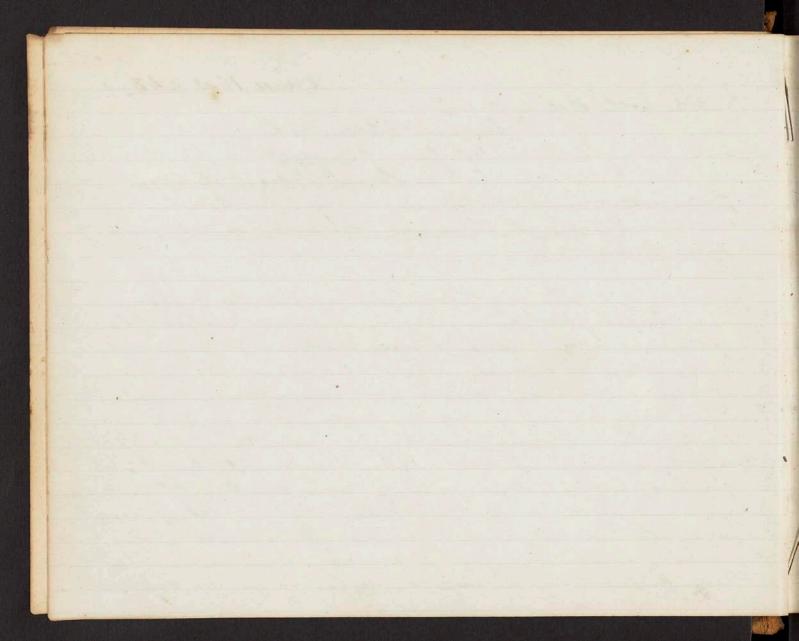


Notes on the Lectures of George McClellan M. D.

Figer of Surgery,
in Plana Medical Colleges
in Enna Medical Colleges
Effects of Operations, Injuries, and Nounds,
on the Constitution.

The only phenomena noticed by surgeons

whom the receipt of our injury, as a wound, before the appearance of Sir Sotley Coopers Want on Jungery, were inflamation and fever There, following all wounds of any importance, could not excape their notice; and being always found, their nemedies were direct ed to them. Indeed so fearful were they of enflamation and fever, that, before performing any sun great Operation, their patients were unexporming put whom a light and regetable diet, gently purged and allowed only Cold drinks, got at East 3 days and sometimes for I weeks. I remember be-. alled in to see the wife of a sea captains,



a pale and tickly woman, in consultation with Dr. Thysich. I was about to make an artificial people, when the doctor injuried if the had been bled on had taken Dalto; infor being answered in the negative, he at tree objected to the operation, and I was obliged to pastpone it. All this was done from chead of enflamation. But it is not inflamation alone in there cares to which we must derect our alter often, neither is it fever; for most persons die after the necessit of an inging without fever. Before going further I will speak of the character of constitution, which differs in different individuals. It lessons in good health, who takes dan by active exercise, and who is accustomed to hard labour will receive an injury from which he will re-Cover, which enjury in a weak and debiletated constitution would have proved fatal. So in females, there are several cases on vicard, of their objury from the price of a needle. There are temperaments too; as, for enstance, the sangumeons, which is attended will a predominance in the vascular, and the nervous, which is attended with a predominance in the new

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vous system. To these are added others, as the bil ions and phlegmatic. There temperconents or ediosayon cracys require differences in treatment. Opium has bad effects upon some constitutions. I have known cases where the most distressing effects have arrisen from the excition of a sucderate dase. Some persons cannot bear bleeding I know a family in which there are nine children, in more of which, have I ever been able to take more than 2 or 3 omnes of blood, even where the most violent inflamation existed. On intemperate persons our treatment must be different. In these persons the wound is very who have been acceptomed to high living we must be on our quard. We must confine them and guard against plethora by depletion. In per-sans accustomed to study who take little ex-excuse, and line in confined apartments, we need not quard against plethora. These are the leading varieties. Having made these remarks I will now proceed to the Consideration of

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what I term a constitutional shock, a sudden agitaor tremore; as may be observed when a patient fales upon the head or face. There is little sensibility of the nervous system, lass of motion, cold skin, and sometimes a feeble pulse and this without any loss of blood. In blows on the stomach, lacer ation of nerves, fractures, and blows on joints, we frequently see an abolition of all the functions of the animal economy. We are led sometimes to think the brain has suffered. In injuries of this organ they recover soon, in other cases not so soon generally. This kind of whoch of Call the overwhelming shock. From this primary impression of the injury, you must not think they cannot recover, We must excite the respiratider and action of the heart. First lower the head and shoulders, as in all cases of this kind, admit plenty of fresh air semove all lig-atures from about the throat. Above all keep the head and shoulders low, for if he be kept all evaled, the small amount of blood in the brain will be insufficient to barry on the the Junctions.

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I generally bring the head over the edge of the bed, allow the legs to be rubbed & give ammonia patient then soon begins to breath and sigh. As his system reacts of apply Cooling applications to prevent too great action. If it reacts slowly there will be a coaquelum formed in the nessels which will prevent hemorrhage. In cases of very great prostration of give stimuli by means of the Stomach tube, and in evetreme cases I use in jections. The best are brandy and greet. I give los of brandy with Los, of greet, thrown up the rection and repeat in an home after. These with frictions and low head will reanimate the patient. Dry warm friction with flan-nel is the best. If these do not succeed the case will be fatal. If the system days react in 20 minutes or half an hour there is danger of excitement. Then apply cool applications. If the pulse be full and face flushed deplete gently, spen the bowels. If the patient have takes a hearty meal, or if he has later any thing more

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than a little tea and bread, the stomach not be ing in a condition to digest, and if it semain being likely to create initation, we must give a little warm water to promote vormiting of this does not not succeed we must give specae: 10 gr with warm chamomile tea, or a teaspoonful of comman salt with bil. There is another shock to which I call your attention This is a shock through part of the system, a tree mour, colvulsine motion, or paralysis of the past. If it subsides there is no harm done. If it contime give Is Camphor, Dul: Morphia or Hoffman's An-There is another shock, the insidious shock which is hard to detect. The patient complains of nothing, He feels no pain, has a good pulse, and most he told that he is injured. Take hold of him and he will tell you to let him alone. I was called to a man, who in jumping from the cars fell upon the rail, the wheels passing over both thighs, one arm near the shoulder and the other above the wrest, injuring the soft

the state of the s the state of the s the state of the s at the and the state of the state of the Aller of the second of the sec the second secon the state of the s Commence of the state of the state of the state of Marie and the transfer of the section of the the same of the sa for the little to the same of the same of the same the state of the s the state of the s the later to the same of the s

pants about the head and pelvis. I arrived a short time after he had received the injury. See had no pain, no sickness, a good pulse and not aware that he was at all injured. He died about 3 hours after. These cases generally remain a day or two with a clean tongue, good secretions, eat well and sleep well, when they are affected with tremore and spassons, the wound puts on an unhealthy appearance, there flows from it an ichorous discharge, the pulse becomes small and weak and the patient dies. In these cases there is a peculiar expression of countenance. About the lower party as the lips, there is a smile, and about the upper part, as the forehead, there is an expression of surprise and alarm. The forehead is drawn into wrincles. When I see this, with a weak pulse, and had bound, I always give a fatal prog-Country to see a boy who had received a se-vere gun shot wound, the Contents of the barnels entering at the back part and lodging in the leg. A dressing had been applied to the leg which was

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cold and insensible. There had been no hemorrhage, the pulse and their were good. But, whom seeing this eapression of Countenance of gave an unfavourable prog-nosis. I wanted to perform ampulation the following morning, this being 4 Oclock in the afternoon, if the pulse continued good. On the afternoon of the neset day he died. I was called to see a lady who had received a wound, a trifling puncture from a needle in the thumb. I arrived half an hour before the family physician. Upon first seeing her observed this expression of Countenance! I entered the room during that half hour several times, and she always expressed surprise and astonistiment. told their the would die. In three days, I heard The was a corpse.

Lecture Ind. November 9th 1842

Tollowing operations, wounds or injuries, there must not always be a depression of the nervous system, for, in the majority of cases, we have no evidence

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of it. But in many cases we have this state of thing. Sometimes following an operation, or enjury. we have a state of constitutional debility, and instability. There is a cold chilly sensation, something like an intermittent. The pulse is teme, remittent, or tempered, there is a necession of the fluids from the surface of the body, a sense of appression about the precordia, depending upon a disordered plate of the nervous system. To releive this of wrap the patient up, and give opium, lavender, paregorie or brandy today, with a ligature to the extremities. I place them around the arm or thigh, Sometimes all the limbs, first on one side, and then the other and in that way unload the vessels internally, and load the capillaries of the extremities. But, more commonby, me have pain and sparms, called by the bulgar convulsions. Nometimes there occur at a shorter or longer period after an enjury, always occurring when reaction takes place. But it is different in different cases. I have seen bad ca des without it. It have seen Cases where the

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patient, 6 hours after the injury, would cry out with pain and spasm. Sometimes we have spasm with pain, sometimes spasme without pain. Then you see this, look for something indigestable. I have often felt Jonny I had not paid attention to this. Took at the system. If it occurs before reaction, when the shin is cool, and there is no arterial excitement, the proper remedy is the Suli Morphia to go every half hour or hour with pictions to the extremities. This is directed, not for pain and spasser, but for the system. If the cheeks are hot and flushed, and the pulse full, these are improper. Then draw blood moderately to lower the pulse and cool the shim, elevate the head, cool the apair timent, give the effernescent draught, use evaporating lotions overs the part. I give antimony for poin and spasm with anterial action. I depend upon it in all Cases, with elevation of the shoulders and if necafanny moderate bleeding i' put 2 grains in 1/2 pint nater and give a teaspoonful every half hour or hour, and, if there be any indigestable matter on the stomach, I carry it to vomiting. At the same time of

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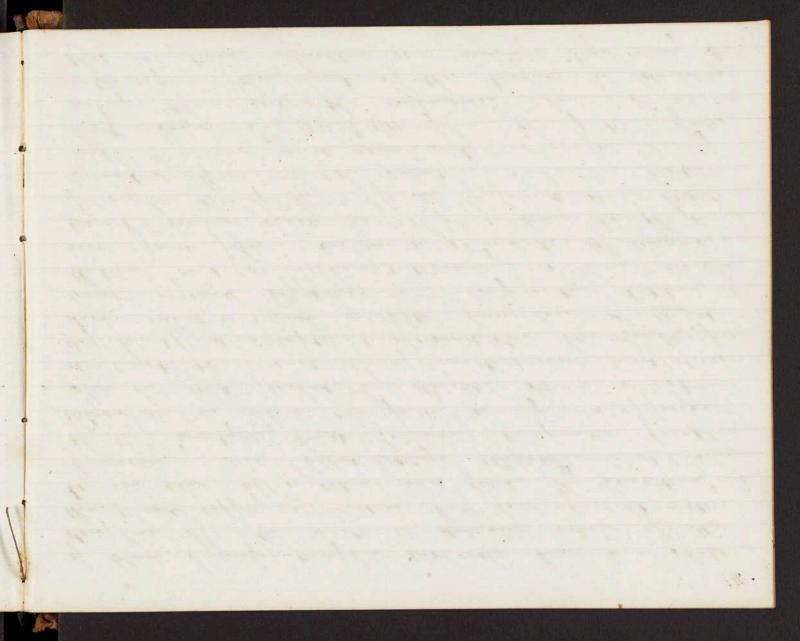
que cool drinks. If it continue a que Antinony 1891. Dal Morphia 18 or 14 gr. every hour until I do over come it. Nometimes, when the pain and spasms are violent it is necessary it it necessary to give larger closes, and then I conjoin them with Calonel. It is astonishing what doses of opium some patients will bear. I have given 2 grains every hour and at the same time been obliged to throw it up the necture. Desides these symptoms, we sometimes have voniting. Sometimes there is convalsine vometing; sometimes it is the mere action of the stomach alone. I have know it wear out the force of the system. If it occur after a full meal quie an emotie, Thecac: will be the best. Aid it by tickling the throat with the feathered exknown hattents throw off small quantities for a whole day, and yet, after giving an emetic they will throw off a load of food. If the stomach be not loaded do not give an emetic. Use extens nal irritation, as bladders of hot water. I find the use of a tumbler as a dry cup the best. By

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these means we direct the nervous irritation. If there be feblile excitement, use waporating letions, sarifications and cups. It is not often irritable in the hot state, and when so, the case is a bad one. In these Cases of prefer caps to the spine with Synapisms. Look at what the patient craves. If ice or cold water give it to him in small quanlities. If he be bold give cloves, burnt brandy, or its bardamen in small doses. Small doses often repeated are better than large ones. The next symptom is delivium tranmatic delivium. Of this there several days after and sometimes where there has been no shock. I have had it occur upon the removal of the Parotid Coland, and continues 3 days. In another case I had it come on Il days after the operation. In these cases I overcame it with opinion, antionomy and little blue pile. It is mostly the result of depression of the energies of life. Offen again during high febrile excitement it occurs. There is no difficulty to distinguish it in these different cases. When it occurs from loss

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of blood I prefer morphia with the head and shoul-der low. If after socilament, delirium occur, elevate the head, apply a bladder half full of cold water to it, give an injection and follow by lareatives and if necessary use blood letting. Another is delimino of the initable kind following compound fractures, blows to in which the pulse is rapid and frequent, shin hot and flushed, eyes bright. It is a state of Constitutional irritation of a distressing and deceiring hind, do symptons of irritation buvariably presail. That which results from loss of blood never requires bleeding, lent evaporating lotions, ablation, and ammonia internally. I have never seen good from castor and mash. Of ammonia give I grains every half hour or hour with Camphor or mosphile, or with greet and a little brandy. Sine it in solution. Jake Gos Water with 20 grains and give a tables poonful every half hour. If with morphia the patient falls asleep, then give the ammonia alone. It never acts upon the head. If the longue be furned and the secretions affected give Calomel 5 gro every 3



14.

on 4 hours, but not with the ammonia, as it de-Compases it. The next is irregular action of the heast, sometimes intermission. This occars generally Is or 5 days after the injury and by surgeons generally has been Considered unfavourable, but they generally get well. There is no one symptom unfavourable. This is frequently seen in old persons, and in others where the stomach and bowels are deranged. I use anodynes narcotics and counter invi. lation. Another is a disordered state of the respirar tion. There is sighing, short, anseious, and irregular breathing, with oppression. This requires bleeding leaching or caps. When it occurs with a cold ohin and weak pulse we must stimulate. I always Stought to be 22. If it be found 40 with the above symptons watch it.

Lecture 3rd, November 10 th. 1842.

Subject Continued.

Another is suppression of wine, which is striking and important. This was generally considered by

European Surgeons fatal. But this I am convinced is a mistakes It is unfavorable when accompanied by a great deal of Constitutional disturbance. When existing by itself it can be releived by mucilaginaus dinnetics. Lar 3 grains of Calomel 10 grs of Nilvate of Potash and 2 of camphor, with drinks of gum arabic water or flaceseed tea. If the shin be cook, warm emollient formentations, flammels diffed in warm water and applied to the extremities, or to the whole bidy I have found the best treatment. If the thin be hot I use ablitions wer the surface to relaine the execitement. Nome surgeons give calonel alone; bent a Combination is the best. I have sometimes been able by there means to restore the secretion in two or three days. Retention of wine. This may seem from over distention of the bladder, We frequently see it in cases of montification and Typhus. It may occur in injuries of the spine and head. But it does not occur so aften as suppression. If there be return tion we will have swelling over the regio pubis.

the state of the s The second second We may feel it by passing the finger into the rectume and tapping gently above the pubis. In this case we must draw of the water by the Catheter, and attend to it until there be sufficient power to pass it. This hovever does not generally occur only in diseases of the brain or spiral marrow. Another is lass of tone in the umscular coat of the bowels, produced by dieease in the sympathetic nerves. There is flatulency and a tympanetic distention of the abflatus in the Cavity of the abdomew. But this is not the case. We only have that in Cases of alceration, or wounds of the intestines. ot Consists in a paralysis of the muscular Coat of the bowels. By not attending to the contents they provduce this distention, land deteriorate the secretions. There is a slight watery and very offensive discharge. Drastocic purgatives always escas perate this disease, and I am careful to avoid them. If eathartic remedies are used I employ mall doses of mercarials and lascatives. I give 18 gr of Calomel with Doners

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Calomel with Dovers Powder, or Opium with 1/2 gr Specaci every hour. I ale. allow Vapioca. Sometimes of give the lumpentine emulsion, with gum arabic or loaf sugar, 20 drops every 2 hours. In argent cases of use synapisms or blisters followed by proultices. In extreme cases I has a stomach tule as high as the saggmoid flexure of the Colon and in this way draw of prodigious quantities of air. This you will always find when severe wounds are running into mortification, and you cannot check the progress of it unless you releive this. Of course if the pulse fail give the turpentine with brandy. In other cases the functions of the Shin become affected. There are two opposite states of this. In one there is a livid cold and flacid shin. In severe injunies can full the shin up and it will stony in that way for several minutes. Nothing will do here but plumulants. In the other case there is an excess of action, with a cold perspiration. It indicates a distressing shock to the nervous

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system. To the plimulating plan we must add astringent applications. Springe the surface with brandy saturated with alun and rech until quite dry. I might enumerate a great many more symptoms that arise after the receipt of an injury before inflamation comes on, but I conside er it unnecessary. When inflomation does ariso me have a fall strong and bonding police, good heat of the thin Inflamation finally does occur after a recurrence of high excitement. Sometimes after a temporary or fluctuating excitement. When in plethora it may be subclied by moderate blood letting. Nature designs to set up fever and inflamation. On different Cases it arises in diffexent ways. As regards the period in no Case have I known it asise before a day, except in a case of inflamation of the perstonerum, in which I have known it axise in Eight hours and a half. Generally it does not asise before two or three days. I see this in my operations on the eye. The vascular injection that is observed is another things I have known cases of inju19.

ries of the brain where inflamation did not arise until 3 weeks after. It is very various. It never inflamatory state. We see this in operations apon patiento who have theumation or inflamation in the chest at the time. Here may be considered a shadow of a local disease. Then it is set up in healthy persons it is said to be sympathetic. When inflamation societo we have a full, strong and bounding pulse, Costive boweld, tongue dry and covered with a whitish far, the becretion of wine is checked, pains in the latremities or head. Jonetimes it comes on with chills and rigours, sometimes not. Sometimes it comes on ever actly like an entermittent, particularly in patients from miasmatic districts. He are not exually to deplete actively. Ablations of cold water, with Cold drinks, and a saline cathartic generally answer. of the day with lemonade, At the same time attend to the toomed. In other cases we have insitation for fever Here the link swells,

there is heat and promoting, we observe lines along the course of the hymphatics effusion in the cellufor texture, the pulse is not so fall and bounding, it runs more frequent 120-140 and sometimes 150 as minute it is small corded and irritable the tongue becomes hard there is a brown stripe in the clute of it, sorder, drying of the secretions, the head is tender and sore, there is routchfulness, and the respiration is rapid and irregular, in the treatment of instable fever we must give no stima-lants or no food. After it has worn out the system then guinine back or opium may be proper. The treatment to resort to is prodigious defiletion, These cases require more than cases of common inflammatory fever. In old and worn out constitutions, when they have received a wound on the head followed by what is called traumation ensifelas, they have bounn enormous depletions on these cases it acts like a tonic by lowering the hen from abouning under phthisis and having an

inflamatory affection, ten ounces of blood on one

day, and in the same patient, one onose the day her fore would have proved jatal. It is in this way that blisters give strength in Sophus. Lecture 18th November 11th 1842. the pulse in there cases. I have bled largely where the pulse has 120 - 140 or even 160 with the happiest effects. He must observe the kind of pulse. If it be hard, tenso and uniquilding under pressure me may bleed, In feeling the pulse I apply the whole of the fingers men the artery, first compressing it lightly and then carrying it gradnally to a complete stoppage of the blood. I ganerally press hard with one finger above and feel will the others of the flow of blood is intercepted. We meet with cases where the fulse is small hand and thready in which cases inseparated practitioners object to bleeding. If we press that pulse with One finger and apply the others behow we will find the flow of blood bittle impeded. It seems almost impassible to stop it.

This pulse may be compared to the string of a weofin or to one of the wires of a piano. If we open the sein, there may be only a trickling of blood from the opening As more is loot the flow is greater; the Julse rises from the lass: it becomes full and soft. It may be compared none the load from the ship rises. So with the pulse. The blood peems to be contentrated whom enternal organs impeding their functions. As we remove it the respirations become fuller and stronger; the blood is sent with more force to the extremities the pulse becoming full. In cases of preumonia we observe this pulse, of the pulse rises from the loss of blood, we We must continue it write it becomes fall; before me stop it.

Lecture oth November 11sth 1842, Subject Continued There are diversity of 1 and the second of the second o to describe the way of the contract of the state of the same of the s

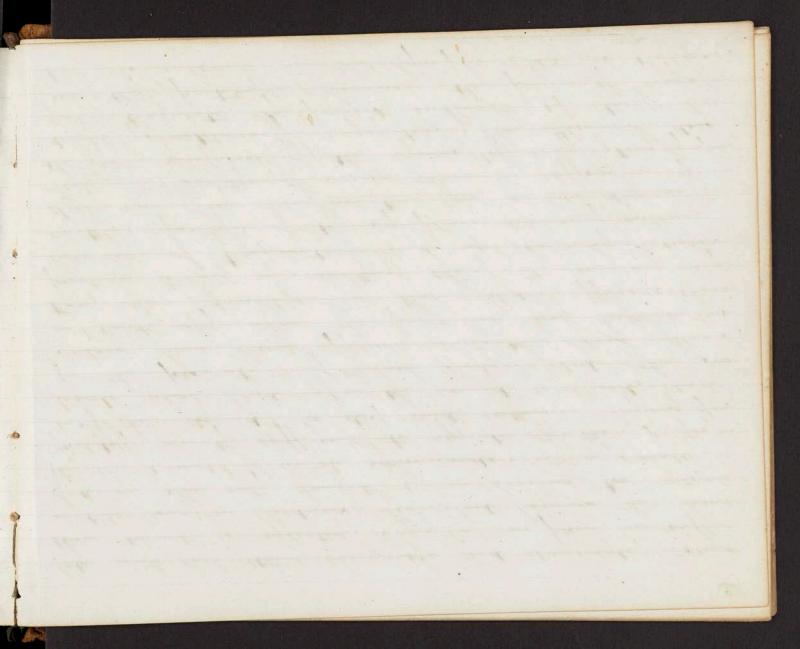
forms accompanied by local inflamation. There is a rapid pulse, dry tongue, tremore of parts of the body delivium deranged action of the heart and anser require but moderate depletion. They must be distinguished, and I am ancious to impress it upon you, from those in which the pulse is small, hard, corded. This irritability arises in intemperate habits, in those who have lived in confined apartments. at requires but moderate depletion, then leeches and cupo with proper lascatives and mild diaphoretics. It is best after opening the bowels by a mild mercurial, to give page of Antimory with 10 gr of morphia guery few hours. When you have subdued the heat and excitement ging diaphoretics, a prefer stimulating diaphoretics. Son of Water, a table spoonful lucy few hours. There cares are aft to assume typhoid chan acter, caused by permitting this state of excilement to continue, the system wearing etself out. If ale the symptoms of depression ance, give such

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stimuli as ammonia or bank. The best to begin with is line whey with ammonia. An aromatic de-coction with bash if mortification take place. Give the aromatic decoction with a teachornful of Hunhams Ir. Barks every I hours. Sine broths. We can give with advantage Sul: Zumine. Consideration of the local disease. Hounds of every kind are leable to great diversity of morbid action, produced by climate, treatment that the state of the constitution, there have been many classifications; as phlegmonous when it is attended with increased temperature, The hest name is healthey inflamation, called so by Munter. His work should be read by all of you for his principles are true and never rocke change. The first is mode by which wounds unite parth the least disturbance, that is where the edges are brought together offenter idea is that there is a small quantity of blood remaining in bounds which coagulates and glues together the sides, just as calinet making faster the auticle piece to that beneath! bessels shoot into it, and inascu-

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late with each other, reorganise and reasonate it; and thus union is affected. There is no pain, no inflor mation and no redness. The blood becomes the bond of union. The only danger to in leaving too much in the wound. Hunter recommends but a small quantity, merely sufficient to agglutinate the parts. If the wound be deep and extensive laying ofen pessels which bleed after the wound is closed, and for the prevention of which spranges and other substances have been applied, where the blood flows tion, where dressings have been badly applied; there produce itching or smarting, there is smelling and increase of temperature, and me shall have inflamations neither of the symptoms are very interne still me have inflamation in a low degree. From it excitement arises; there is effection from the cut surfaces of the vessels of coagulating lymph; which sportaneously coagulates. The albuman does not coagulate by powers inherent, in itself. He use the participle because the power of coagular tion is inherent in the lymph. That are the mus-



cles contract after death, so the coagulating lymph squeeses out the perens by its contraction after bleeding. No doubt the the red globules and serum are alson hed or run out from the wounds. There is inflamation of a low kind; the vessels enlarge; there is redness of the part there is an effection oflymph in the cavity into which vessels enter; it heals, contracts and is resolved, whis is of great advantage in avanueds of the thorase and abdomen in proventing air blood and fecal contents from getting into the open cells of the surrounding cellula text ture. In infamation of the abdomen this inflamation is set up welling the frusts in a very few hours. Vessels absold lymph, as may be seen in the eye after operations for artificial pupil.

In union by the first intention or adhaesine inflamation the symptoms exceed one always mild.

By instating the part by motion by foreign bodies by lightness by lany thing exciting the inflamation is carried to a thingher flitch.

The supposating state is attended with rigors and cliff, there is should always helpstin in the and chills there is studdering pulsation in the

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wound and neighboring parts, the arteries are enlarged in others blate with decided symptoms of fever. There is a secretion, not exerction of a viscid thick globules floating in sweet mucus. This is pus differing from the elements of the bloods. The globules differ from the globules of the blood, and according to Thysiologists any change is a secretion. The messels toke on a pecretory function and by this relieves themselves. If allowed exect the secretion relieves the inflamation and is followed by granulation. If it take place in a clase cavity as from a bruine me will have phase pheorption or alceration. Physiologysts think this takes place as much by the neins as lymphaties. The small nessels when, when find is confined take on a new action lating the solids. This is not done in lary direction but tohard, the surface, and if near the tracker or branchia in them always towards a cavity havmy an estend Comminication. The caticle is never absorbed. Alleration to attended with a removal of the particles. It is always best as

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which are small particles like grains never begin to form until the pus is discharged. The process by which this is affected the french call Degitation or growth from the cellular tissue. Hunter an escalation of lymph. The vessels not secreting pus throw out this grain of lymph and shoot into it. In proof of this we see wounds after disturbance or cold Covered with lymph not organized. Attempt to full it up and we find it adheres. This contracts and draws the sides of the wound together. A thin stratum like pasteboard is only required, it regt being necessary the cavity should be filled. This is cicatrised over by the vessels of the shin. This cicatrice is liable to be destroyed luer afterwards from weakness or other causes. This is what Hunter Callo healthy inflomation because its object in the restoration of parts.

Lecture 6th. November 15th 1842. The linging membrane of an abscess always par

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takes of the character of a serves membrane. After the cavity is opened it is converted into a nuccous membrane. Granulations never are formed, before the abseess is opened. Bones do not head by granula-tion is case of fracture, as stated by many Eu-ropean surgeons. The cases in which they observed it, were those of Compound fracture. When opened it becomes a mucous membrane like that lining the Antrum Highmonianum, no I have frequently leave in absenses opening into the cavily of the femler or humenus. These influention to conside ered healthy its object being the healing or restorasimplest form of this is exythemas. It may be produced by temperatine or mustard applied to the surface, by the sting of a wasp or thorn. This is generally mild. It may be removed by applying a solution of lead to the past, and paying pattention to the bowels. where is a modification of this when it gets when the eye lids, scrotum or propules. It is then attended with an infiltration of serum ento the

Cellular texture of the part. This is the simplest hind of unhealthy inflamation attended with bedema. In this the informatory action releases it. I now pass to a decided form of morbed inflamation, Experipelas. This is analogous to anythemas, extending to surrounding part, but differing in severity. There is a shaple form of this attended with elevation of the Catiele and vesica-tions. This is mustly met with by the physician, not the surgeon, in persons of intemperate hab-its, in those who live in Confined apartments, or in persons of invitable habits, after a wound. This does not extend by and the skin or cutio nera. It requires only the use of salino Catharties seidlite flowders and low diet. When this is extensive, the whole pulistance of the shin and celeular texture being involved, out is called phlegmonous loysifetas. This may oc-cur after wounds particularly of the scalp. It per von receiving a wound and going into a hos-futal, which is hadly wentilated, and where the

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air is impure, may have this form of enjoipelas. They may have this morbid inflamation marked by the progressive character. There is no adher sine inflamation which is a barrier to the progress of it. The inflamation is liable to extend to a greater or less extent. When it observes a puffy state if we wentilate the room and remore all writating dressings the tumofaction will disappear. Frese is nothing required but clean lines, fresh air, larcatives and a well regulated diet. When the cellular tereture of the whole head he distended; when the patient connot open his eyededs or lips; when the nostrils are nearly Closed; when the secretions, are arrested; we then have one of most interes constitutional disturbance. If tonies are resorted to in this case death will be the result. In the worst of patients for the first few days we will find the pulse hard and corded. In these cases I. frequently bleed 3 or to times a day. This devel-

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pelled to reduce by bleeding, I follow the bleeding by leeches and cups; by mercurial Cathantics and antimony pushed to cometing. By of Calonel the of Jan trate of Antimony every hour. To there I sometimes add morphia. If this Idont do I make incissions through the puffy part I in in length. I have made these and the head to expose the pericranium. make these incisions one or 2 in, apart. it's this keeping up the merennal and diaphoretie treatment. Ho regards washes, load water, 5 grains to the owner will I gr of morphia, heeping the part maist, relieves the irritation and Aman ting and by evaporation inflamation, Any wild application will do that agreed with the Constitution. Only when the system is worn extremities cald and respiration feeble, ment we stimulate. Then give the volatile alhali in 5 gr closes or wine whey. He may give brandy with nutritions articles of food. When there is no drying of the secretions me may give Itin

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unimal food. I have seen cases, with something like an intermittent type. In there after depletion of resort to the Damine, at the Dame time using erafithe first form be treated wight. By stimulating applications as terpentino, the solution of Corroline sublimate, the inflamation traverses the collular tiswe and Blonghing, Large Collections of a sanious fluid are mised with a thin watery purcelent matter. In it we find strings, which are of Considerable length. Such application destroy the other particularly where blisters are employed. Blisters Come in useful in some cases but must not be applied ones the part. They are wreful when it is respidly extending applied above the part . Tree scarifications of make 12 to lin, in length.

Secture 7th November 16th 1842 Another form of morbid is the Furna-Cules or boil. This is situated in the outs vera. There is a high degree of inflamation with sloughing and the formation of what is Commonly the state of the s and the state of t the state of the s the state of the s the state of the s the state of the s and the state of t the second secon

called a core. The inflamation around is of the adherine hind, an alocess is formed; there is detackment of a slough; pur is secreted; there is distention of the fast; the newer are instaled by the trestion. The specific Character of this is the formation of a core. The strine finally gives long and we can see this core. If we full the best application to a poultice, which may he hept net with lead water. Then the cone begins to form, the best plan is to run the lancet into it making an encision 1/2 to I inch in lighth. continuing the poultice. The mor ment this is done the pain coases. By writating them we may have a succession of them. I have seen 30 or 40, 12 there can ses me must give gentle lascatives, blue fill, and a mild dict! The west form of marked inflamation is seen in Anthraw. This is similar to Furniculus but more painful. They are generally found on the nech or shoulders sametimes on the

which is come to the think the ser of the trade of the same of the same the second secon The second secon the state of the s The state of the s the second of the second of the second the construction of the property of the stage there was a second of the the state of the s the transfer of the state of th

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nates best rarely on the extremities. This never points but is always flat and sometimes we find a depression in the centre. There is a great deal of surrounding enjoipelatons inflamation, instead of phlegmon. In this we never have the adherine inflamation. If it be on the nech we have the inflamation extending to the shoulders or fun a core. The European Jungeons recommend banks and wine, anticipating depression. No this Country surgeons generally have adopted this plan. The breathing to laborious and offmersed, the secretion are checked, the pulse is small deforessed and Cordeal. Bleeding was always required in the Cares that I have met with. Sofically they makes one of the best poultices. They may he hept wet with lead water. So there I'add Calomel, Sartrate of Antimony . prometime opino to releine the irritation. When the system gives may it then becomes necessary to stimulate. The way to treat the part is by long or com-

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cial incisions. By there we expose the core to which we should apply nitric acid or potast. After the slough is detached, granulations shoot up and the part heals.

The next form of morbid inflamation is what is called gang renous inflamation. This arrises in invitor like constitutions and is generally met with in the setremities. My friends in the north have related many cases which come under their hands, Those pensons line afour falted and badly cared meat; If they strong a too against a stone or strongs it is followed by an inflamation polich extends respicley up the leg. The system to unable to heep up this excitement, and wear itself out the part becoming gangrenous. There is a stripe extending up the limb; the part is distended, with a gas, it has a dark brown appearance. In these Cases we give emetics. The put the patient on the floor and thow 3 or 4 buckets of cold water over time afterwards using stimuli, with evaporating lotions to the part. During the excitement we may apply w bandage from the toes to the grown.

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Whitlows frequently terminate his mortification. The inflamation extends up the hand and down the bone. The periodeum becomes inflamed and detached from the bone. In there cases we must make free and deep incisions afterwards applying pouttices. He may also use a splint to prevent the stimulus of motion and heep the part elevated. It, we may keep the patient on his back. Whe must was notice blood letting, free evacuations & afterwards Calomel. We may have morbid inflomation in any part of the body in In leathly and initable constitutions. Every inflamation may become morbid by neglect of proper attention of proper application to the part. The excitement in these cases want out the system. Mortification I have always abserved to be complicated with an abscess. I have never seen it occur where there was no matter. After aproportation where the past be Comes gangrenous we always find a cavity in which matter is lodged. There is a collection of matter always before mortification.

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Lecture 8th November 17th 1842. Mortification continued. Mortification always follows inflormation, except where the ligature has cut off the supply of blood to a part. Sumours mortify when a ligature is passed round their base cutting off the supply of blood and nervous influences from the pant. The gangrene of old people, serile gangrene, which is supposed to arise from obstruction in the circulation, from ossification of the values of the heart, or antenies of the part, which is first observed in the too, I have never seen arise only after inflamor tion. The power of the part is exampled by the executement which it is unable to peop up. There cases are benefited by putting the part to the fire. Gangrene from pressure, as whom the shoulder and nates in patients who have been long confined is always preceded by inflamation. There is an enjoipelatous blush with presidentions preceding the mortification, gangrene following from inflamation. it we increase the inflomation which precedes the

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gongoeno. I believe the gentle contiphlogistic treat-ment is the best. I have seen cases, where the pulse was hard and corded; and the secretions assested, in fined and the mortification increased by stimuli. I wish to impress upon you the benefit of releiving the inflamation. There are such things as partial mortifications. I have, seen patients with livid spots whom them completely cared by blacking, leaching, Calonel and antimory. Calonel and antimory. Calonel and antimory of the power of a part effects the system. Absorption of the putrid effluria will depress the energies of the system. The inhabitations through the northers will contaminate and deteriorate the fluids. Prostration will arise. The shin will be lovered with a cold clammy sweat. The pulse becomes weak; the extremities cold: there is priceough and sighing; the breathing is feeble. du these cases invitation continues. I of profer give eng Openo, 2 grains lucry for 2 hours, brandy tode dy benimal broths and a vegitable emelsion. The must continue this treatment until we releive the irritation. Then warm the surface, and give

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bank or angusture. I give a teaspoonful of Husehamis fincture in a loine glass of negitable emulsion, every hours We may give leimene Lyraine lucry hour. When the patient is roused of give ale, ayeters, beef stake brisled, or well broked eggs. If the patient is troubled with exectations or tympanetic distension of the abdomen I give the Carbonato of ammonia. of you gove opinor is this case, give that which is old, dry and hard, and not the tincture. In this Nate it acts as a tonic. He may give 1-2 or 3 graines every hour or two. As topical applications I use emolient and soothing pouttices. Generally there of slipping elm, heft broist with lead water to cornect the effluing I use a solution of some of the chlorides, formenting the part with warm water. I combine these with free in Cissions through the skin and fascia. In can ses of mortification of always look for matter. When the part has lost its vitality use Charcoal. Moisten the part with an distruent flavoured with Bresste and sprinkle it with the charcoal. By these means we have the

When the filler the country of your test washington take her with the property of the first is harless with the training to the splenty the territor of the contract of some the tendent in the comments of of you you there is to the reach bear that they went the the sold should have a sold from the sold the with the test of the stage of The state of the s

antiseptic effects of both. This is a blister with elevation of the cuticle and a chink which is called the line of doman-Cation. Over this line of apply emollient applications. The best to a poultice with slippeny elm, sprinkled with a solution of the sulphate of morphia and acetato of lead. The proceed by which the separation takes place is that of alceration or absorption. The line of demankation will such through the skin, then through the merscles, leadens, and lastly the bone. It is one of the most heautiful oferrations of nature.

Secture Ith. November 18th. 18426
Effects of burns, scalds and cold. The effects are produced by extremes of temperature. Whether by flame or scald the phenomena are the same, differing only when the flame forms an eschar. When an escar is formed soft emollient positives softened with a little land are the heat applications. It lasty in Northerno Selecties met with a senere

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burn, to which I applied poultices for I days. The eschars not separating so readily and desired, I applied Kentish's dintresent, from the use of which the part became worse. The was of poulties steadily maintained is the best practice. Constitutional affection is never go severe, from a burn as a scald particularly when the caticle come off; the initation is not so high. If a large surface of the cuticle be removed by a scald it is worse than when removed by the In the treatment never irritate the surface by dressings. If called in before any thing has been applied, choose raw Cotton moistened with Whishey or spirit of some. Reep this on as it is not necessary to remove it. If the cuticle he removed there is a secretion of mucus or lymph upon the surface which protects it. By this enaporating lotion we keep down the temperature. After After a high temperature to a part, if we re sort to ice water, from the sudden vicesitade, it gives rise to a local commotion and shock to the

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system. A burn produces a sudden stimulus to the part, stimulating the capillaries. The only way is to avoid another Judden vicisitude. Alcohol contracts the capillances, and maintaines an equilibrium of temperature. By it we prevent and fluctuation in the temperature, which is injunious if sudden, cithen from hot to cold or cold to hot. I have also seen good effects from linseed bil boiled until it becomes thich there mireed with Lithange. A Farriers Child, a daughter scalded the hand as high as the wrist the cuticle coming off. On my arrival of found the father hable ofread the mixture whom hidskin, with which he Covened the part. This application laxed the pain and I permitted it to remain whom the part I days. I then removed it and the part healed without any deformity. The few nails that were lost were soon seare ted again. few hours of permit to remain, applying alcohol over it. a frequently find lamp or sedest til and lime water applied, which I permit to remain, apr

plying alcohol over it. I nothing but the cuticle be detached, we can always insure cicatrication without alceration. The lymph which is effect upon the surface, by dry ing, becomes the new cuticle. I do not condemn the use of this ointment always. When the cuticle is not removed or resideted it may be used. If applied when the cutiele is off it makes a troublesome sore, which is difficult to heal. In large and deep burns when the patient to cold and comatrie, paulso weak, recoding of the fluids from the surface, we may use Kentish's bintment and stimuli internally! I have cared cares of this kind with it, but it always produces had uleerations. Here are followed by granulation and cicatrices, which contrant and produce homehe ble deformities. In such cases the stimulating treatment is the best. I have used the basil-You all severe burns, where the cuticle is offer Where there is hurried excitament, regord, delireum

Shirt for the many the best of the second to anything of the territory of the second of the second the thing is the state of the s and come, the common practice is to give opicion. This must not be given in large dases in come, as we are very aft to have offerion from Julness of the nessels of the head. If it be given at ale, give in small dases. Ammonia has been used with good effects, particularly in small burns.

Lecture 10th November 21 st 1842.

touching a cold, as a cold irow, that is experienced whow experienced touching a red hot one, and the inflamation following to as violent. The effect, generally, is not things.

The first morbid effect from low temperature is internal conjestion. The system, where there is no predisposition to an affection of the of the internal organis, may react slowly from this states sustaining little or no injury. But if there can int a predisposition to disease from debility of constitution or local weakness it is after to be excited. Thus a person who had conjection of the bronchie is liable to have it a second time

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from low temperature. do also are diseases of the lin er, lange, ar joints, be excited. There cares only Concern surgeone, when absenses form, requiring the wacuation of the matter. Another way is when partially applied. A person may be setting in a hot room, near a hole or crack. The cold dir which enters will fall upon a part producing a fluctuating excitement. This is followed by local pain and febrile symptoms. Common catarle occurs in this way. This class does not belong to any subject. Another is roben there is a general or topical accumulation of excitability. When there is a return to the natural temperature enormous excitement results. It may be seen when parts, which have been expased to a four temperature are held to a fire. When a part is expanded to a low temperature its excelability is augmented. If now suddenly norm ed wident reaction of the Conjective kind is aft to follow. He may have absences, or lived ragged when called chilblains. These may result from heat after moderate cold. Tersons may have these

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from very slight causes after having once had them. The person must never go near the fire after be ing exposed. Linen, or cotton stockings should be worn. For the care of use cooling offications, and Sometimes lecahes. do the part exposed of apply clothes dipped in Cold water, or whis key cooled with ice. Alcohol it would seem were too stimulating but it contracto the Capillaries and by ito enaporation freeps down the temperature of the part. When the cold is intense parts deeply situa led Frost Bite. The parts, as the fingers, taes, ears or nose then slough. There parts are sometimes actually from, yet by proper and judicious treatment they may be restored. They must be thoused by very ston degreen. The accommetated excitability must be soon down gradually. He must take many hours or even days in restoring the part to its natural. temperature. Fish and other hower animals recoveran imation if thoward gradually but if suddenly they die from the intensity of the reaction.

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Allow the part to reach the natural temperature by very slow degrees. Some do this by applying ice to the part, stimulating internally. The part may be surrounded with snow or ice: If stimuli are regain sed give a few drops of broady today and a small quantity of grueb internally. To there we may add injections. I would not hesitate to bleed if the ex Citement ran high. Evaporating lotions are best, heaping the patient in a cold room. a girl was treated by cold applications to the party by stimule internally and heft in a warm room. The part from the exectement that followed mortified, and I was compeled to amputate. There is no doubt in my mind had no stimuli been given, and the temperature of the over lowered this case would have terminated favourably.

Secture 11th November 24th 1842.

Abscess. In books abscesses have been divided into the acute, cold, and infiltrating.

There are a great many varieties of acute ab

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scess, arising from their situation. Inflamation under the skin gives isse to an absease different from one under a fascia or over a bone. In acute or phlegmonous clescesses the parts yield and become distended; there is a circumserihed swelling, with pain, heat and redness. The smalling is circumscribed by an effection of lymph into the cellular testure immediately around the part. There is absorption from the centre towards the near est external surface. It foints, is said to break, and is converted into an alees. Granulations shooting to this alcer. There contract drawing the opposite edges together; the induration is absorbed; the parts is cicatrized at the simpace. The opinion of Hun ter, that the execution is done by absorption is as doubt perfectly true. Dimit and some of thee french writers say this is done by mortification of the molecules. Attending the formation of mat ten, there is Constitutional disturbance, as chills of the part he examined before the clischarge of matter, there will be found a softness and

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fluctuation over the centre of it. The timely practice of an incision, there came be no doubt is cornect. The moment a fluctuation is fett make an encision, and after it apply soft and emolleent poultiers. This incision must be made in a depending These absences differ from Furunculus or Anthrace, they having for their specific character the formation of a They arise from a puncture, breiere, from chamecals, ap plyed to a part, from changes of temperature, or after beings. When situated under a fascia or immediately over a bono, these may produce the most violent constitutional disturbance, as delivium or coma. The matter travels under the pasts which binds it down. I have known the matter of an alosees under Sterno mastaid mesocle behind the jaw, travels down the nach to the shoulder and sterneum, getting in contact with the assophages. The lymph seals up the Celes of the Cellular texture. When it travels it does not infillrate into the cellular texture, but breaks

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causes there to putnefy. When there are functured the matter will be found highly offensive and putrid. Whenever we find pain, deep seated, with redness of the surface, we ment hear in mind that the matter will travel. I have known from blows over the clavical, matter to form, and travel towards the axilla under the Fectoralis major and minor muscles. When the matic is deeply situated, the fluctuation is not distinct, and there will be no point. Over the part we will there

Persons think there is a great difficulty in detect ing matter. He must take the palmer surfaces of the frigers of both hands, not the tips, heaping one applied while we make pressure with the others I heap one hand applied and make the impulse whom the our face with the other, over where I expect to find the matter. If there he matter, there will be a wave like undulation. There is no tacked eruditus. In this way tumours of all hinds may be distinguished from matter.

have an accessor with a puffyness of the shin,

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The proper plan to treat these, is, not to make a puncture, but a free incision, a couple of inches in length, through the shin and fascia. When the matter is exacasted apply a bandage to press the sides of the cavity together, leaving the cut open. When the absence so are large, make 2 incesions. If there he an absence the whole length of the make 3 incesions, one above another below, and a third bestween the two. Then apply a handage. I first apply a bandage, then cut a hole through it over the hole in the shin. By this treatment I have known large abscesses heal in 6 or Shown. When the sides are pressed together, being serous membranes, they units.

In Infeltrating allocasses we must expect the part to lose its vitality. There is no barrier set up to progress of the matter by the hymphy which becomes infeltrated into the cells of the cellular tecture. This condition may be seen in Cases of engaplas. We must make free incisions, and aftermended pressure. These incisions must be heft open and covered with poultices. As the cellular mennings, brance stoughs, it appears in ropes at the openings,

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and must be drawn out. These cases are liable to be in a sunhaw condition, Notwithstanding this, open the abscess. Isine ammonia, and if there he initar bility opium. If the system is recaring out from the discharge give bash. . The next are the absences by conjection; which the English team chronic. In these cases there is no inflor mation. These are seen in peropulous persons, or in what are called leuco-phlegmatic temperaments. There is a fluctrating, soft, swelling attended with no incluration or These are found in the neck or grown. Hunter called there aliseesses in a part, not of a part, in Consequence of the matter always forming there, and making its way to other parts. The matter travels, there being no barrier, the adherine inflamation.

Lecture 12th November 25th 1842.

These abscessed are the result of a morbid new trition. We frequently see increased secretion in a part as in dialectes, and in the intestines unattended with inflamation. They are produced by a morbid peculiar.

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ity of constitution. The flinds are charged with wassimilar ted fluids, which cannot be thrown off in the natural secretions, and are thorown off in different parts of the budy. The matter travels to foreign parts. It lymph atic gland may supporte from initation, and the mate ter be found in a remote past, it gravitating and in feltrating into the celeular texture. There alicenses may arise where there exists no disease of a gland or caries of a bone. The matter is that which cannot be got rid of by the natural enumetories. I have seen infants born with them. They are nothing but a deposite in the cellular texture, occurring without discase of a gland or a bone. It is a morbid secretion into the cellular texture. The French think this matter is absorbed by the hymphatics from one past of the budy and deposited in a remote frant. There absences regime a modification of treatment. The constitution must be attended to more than the part. It is all owing to the primary process of digestion and assimilation, preventing the formation of Sound fluids. The sees the patient with pale lips pale mucous membranes, and a wavey skin. The

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blood drawn from such a patient does not coaquilate firm; the proportion of red globules to the serum is less.

The patient must be put on a northitions and sasily oligestible diet; the secretions must be corrected; pure air breathed. Jonics may be given when the secretions are corrected.

curial alterations with Rhubarb, Avoid bringing watery discharges as there produce instation and increases the anemic state. The last that you can give is socoti class /gr. Rhubarb 2 gr Sap. Castiles 2 gr Cal. 1gr brice a clay until the stools become of the nate mad colorer, that is of a bright yellow colour with a tinge of green; until the breath becomes sweet and the tongue clean. Then give the carbonate of irow or canalla alba.

When the general health is restored if the mate ter is not absorbed I give Indine. The heat form of administening this is in the Hydricalate of Potass in I grain closes, applying it at the same time over the part in the form of an ointment.

AND DESCRIPTION OF THE PERSON NAMED IN

If the shin over the part he embrohen I prefer to leave the abscess untouched of there he no discare of a home I can care the majority of thems without opening. Coagulating lymph is found in these abscesses like strings of How. If there he a bone or large gland projecting into there abscesses like an island it well theep up the initation. If there abscesses are opened before the general health is restined; they are liable to be followed by a diffuse erysipilatous inflamation, with violent constitutional disturbance and insitative fever Always averd free apenings. Above all do not allow there ab-Acesses to Elecrate open. The matter will become fur trid from the entrance of the cir. Always avoid opening them when you can. When it is necessary to open there, do it by making a small opening as recommended by Abennether for this purpose profer a sharp namon lancet. Make the opening chique, and through the thickest part over the adocess, to prevent the admission of airs Hold the lancet perpendicular, making a small cut, then carry it horizontal and in this away, enter the country,

This opening will be a hind of value. Do not make the opening into the most elevated part, but in the side of the elevation which is the thickest parts of there he a lived part avoid making an in cision into that part, as it is liable to the followed by slongling. Do not evacuate all the matter, on by a part of it. By this we will at all events di minish the size of the cavity. Use no pressure to hacuate it. Introduce no instruments, Leave the rest to be absorbed. It is better to open again than to use force in exaculting the matter. Permone all flakes of hymph and matter from the wound and apply a strip of adhesive plaster drawing the edges together. These will unite by the first buten tion. Then this apply lint, a compress and soft If the constitution be in a healthy condition there may be treated as common abscesses. The matter may be exacuated when healthy granulations will shoot and the past heal. of there he a partion of bone or a gland profeeting into the cavity the some will be kept open.

\* to the state of th Company of the contract of the to the same of the and the second s He may then inject a solution of some of the chlor ides or situe Acid to dissolve the bone. Dub cutaneous Abocess. There are met with in females and children about the nose and sheehs, can sing a pruffy vising of the past. If a free opening les made there will be a discharge, and the part will heal with a most homible cicatrise In there cases attend to the general health. If agon make an opening, make a small and oblique one, discharging only part of the mother; the remain der will be absorbed. Never destroy there by constic. Bloody Absens. There are found in all forts of the fedy. There are found in persons from marshey districts, those who have upon gross food; in confined apartments; intemperate habits. In there cases we are very aft to see it after a bruise, the blood runming into the cellular texture. This sometimes coaque later. When this is the case in examining we find it cracks under the fingers. I have often seen the blood in joints crepitating. It is not the thunder dafe crepitation of a fractured bone, but a soft cracking under the fingers. On there cases for

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the first few days the part looks natural. Afternands the blood percolates towards the surface, which he-Comes discolomed, Inexperienced persons think the part has mortified. His is commonly seen about the testicles and explids, and is generally venous blood. The part is not blistered, is not cold; there is no gangrenous odows; no air in the celes as in gangrene. After tapping for hydrocele, where a small quantity of blood is effusion it may percolate giving nice to this appearance. There abscesses deserve lette Consideration, ex ceft the bloody aliseesses in Children. In these if the blood be situated under the periconious tendow, it may give rise to inflamation of the bone, coma convilsions and death. These may result from coreless management of the midwife; from instruments body applied; in deformaties from pressure of head on plane of the

ischiorni, or from a rigid Od, tincae.

If this he outside the epicranius tendow, we must apply stimulating applications and frictions to promote absorption. We must follow this plan for a few weeks. If deeper we must make a small

the state of the s the second secon and oblique functure as stated. So not these evacuate all the blood, but only about \$13 of it. These employ pressure by means of a bandage.

Lecture, 13th. November 26th. 1842.

There occur in the natural cavities as those of the pleura, peritoneum and bunse muccose.

In the large cavities effective partakes of the charater of droppys. There is fluctivation. We have evidence of this by placing one hand upon one side and tapping gently with the hand upon the others of wie apply the stethoscope, we will have what is called egophony, a sound like that in speaking over a large heleou tub. If this is not absorbed from the are of arastic fungatives, mercurials or diareties, we must then perform the operation of paracentuis, which I shall speak of under the proper head.

When I speak of abscesses in these parts I mean

When I speak of absesses in these parts of mean circumscribed collections of matter. Following wounds we generally have an afferiou of blood a callec-

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of matter, circumscribed by an effusion of lymph and pressing upon the surrounding parts. Men there Collection take place in the abdomen we have a swelling, tense turned and fluctuating. We can ascertain the whole extend, diameter and periphery of such abscesses. When I come to sperk of the cavi tys I will vay more of this. I have seen there cal lections of matter treated over and over again for inretation and inflamation. Tarmer varys we cannot have a fundent offusion in the cavite of the chest, lent I might quie you many cases. I was called in to see a medical man who had violent planso posemonia, which was not subdued by proper depletion. His Physicians being absent from lower of was called in, I found the intercastal spaces forced out, and there was distinct fluctuation. I introduced the lancet into the usual place for performing paracenteris and there gushed from the spening a quant of puralent matter. There abscesses are surrounded by lymph. They sometimes alcorate to the surface. I have also seen circumscribed abserses in the carThe latest the same of the sam

ity of the paritoneum. They frequently follow injunies in this cavity when not overcome when treated by onby slight means. There are parrounding adhesions set up, sufopuration in the centre alceration and from the collection of matter pressure upon the viscera produdown may press upon the beladder giving vise to ischuria. I was called to see a boy who had receive ed a hick from a horse whom the abdonew. He was someting stencoraceous matter and was unable to pass his unine. I drew off the axine with a catheter. Above the bules I now perceived un indistinct fluctration. I passed in a lancet which gave issue to a large quantity of matter. I will tell you more of this when I come to speak of there cavitys. A common form of aliscess is met with in the bunce mucase. There little bodies are intesposed between almost all where there is friction. They are liable to a great diversity of diseases, of which almost all practitioners are ignorant. I would advise you to attend to the anatomy of these bodies. In old hed sid patients wer find there under

the parts pressed Factitions or artificial bursae may be deteloped any where upon the body. There hurse mucous may be insitated and suppersate and form an encyoted aboves. He have these under almost every tender. Being always bound down they becomes sources of intense pain and severe constitue tional insitation. Sometimes when oner an astery which gives pulsation to it, they are mestaken for anunismo. I have no doubt many arteries have been taken up miotaking there burson for ancionism. When inflomed they becomes exceedingly painful, in consequence of the stimulus of tension. I have seen persons delimens from inflamed bursoe. I have known others cry out from the slightest pressure, or from lowering it. The proper treatment is active depletion. The pulse is rendered hard and corded and vises under the operation becoming full. After bleeding apply leaches, open the bowels and elevate the part. It is always better to do without opening theme If after there means have been tried you find no releif, make a small value like opening as before stated. Do not squeese out the Contents, but

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keep the cut open, if necessary by me and of a probe, parmitting the matter to flow out. After this apply a strip of adlesive plaster and over it day lint, a genthe compress and bandage. If it be situated on the extremities apply splints. By purcturing we cause the cyt to contract. If necessary open several times. of these are permitted to alcerato open, we have an ugly sore discharging a samo-purulent fluid, which is difficult to heal. Whenever we open an inflamed hum see nee have inegular cicatrisation and induration. Always avoid puncturing when you can. of commet make the small functions as directed. . There is a bursoe macose situated between the

Os Hojorals and thyroise cartilage, which is very leables to enlarge. I have found it impossible to cure this by princturing, it always returnings of have some times seen it as large as an apple. In these cases I put a setow through it. His is done by pasting a lancet through it, afterwards carrying through a few threads with a probe. This heeps up irritation and prevents a releution of the discharge. Sometimes I am compelled to produce supportation in it by

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means of injections of chlor of line to cometimes bich mercury. It always leaves an inducation which may remain for years. It is always better to care by antiphlogis tie means Constitutional and local. Ulcens. I would divide these as in books, ento the inflamed, the instable, and chronic clerk. In inflamed alcert there is a bloody ichorous diescharge, the surrounding parts are inflamed and painful. There recar particularly in the lower extremities. The person living as usual and walking the wound does not sufficiente or granulate. He must enjoin rest, will an elevation of the part, evaporating lotions over it, with Cathartic medicine. If the pulse indicato executement draw bloods. We may apply a poultice. By their treatment it will suppurate granulations will shoot up and healthy pur he secreted. The whole secret in all alcers is to convert to w

healthy aleer. These all surgeons cire by strips of adhesine planter and a bandage. These strips may be cut is or line in breath, and in length sufficient to go 2/8 round the line. There may be applied

commencing I in below and cuding law, above. There should be a small space left between them to permit the excape of matter. There the strips lay patent lint, which I prefer moistening with which which and water or a simple ourtment. Then I apply a handage, commencing if it be on the leg, at the toes and carrying it above the sore, making the pressure equal. If the alear be situated a little below the knee Carry the bandage a little above. If the pressure be unequal the sore commot granulate faroundly. We may now permit the patient to take gentle moderate exercise in the open air. This is the best way to treat healthy eleers. To not apply large plasters as they retain the secretions and convent the ulcar ento an abscess. Foulties too long continued relaxe the parts too much. emulable belows. After the inflamation is reduced in instance ulcero we may home an instable alver. There is a trucing pricking pains; small pointed and red granulations; there sore bleeds upon being touched; there is an ichorous, bloody sanious suppuration. This state is dependent on the general health.

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For the care of irritable alcers we must correct the general health. If I meet with them in entemperate persons I begin the care by giving an emetic. This I follow with cathactic medicine, giving before pile which will cornect the secretions and inprone digestion. If there he initability of the systions are best. Wash the some with warm water by holding it over a tul and pouring from some wessel. There apply the poultice of slippery. the granulation become healthy, the pur healthy and the ulcer heal. Chronic karitable Ulcer. The discharge from these has been considered a drain from the system preventing apoplery and other affections which it were dangerous to check, The doctrine of their necessity 4 now exploded and we generally care them. Where there is danger from orresting the discharge, we exeate a new one by means of blisters or setons which may be gradually healed.

The care there by mild courses of mercury. I give of Calonel 12 or I grain twice a day, with laxative medicines and diluent drinks. I sometimes give Jansaparilla Apply adhesive strips to heep down the elevated parts, and over them an emolheat posities. Sometimes there are so old and callons at the edges that it is impossible to care them in this way. I then remove the industed parts, by pearing them off with a sharp knife. Sometimes I destroy them with constic or Notice Acid. When removed or can necessary to give tonies.

Trans broken constitutions was sometimes meet swith a gangaenous or slongling where there are hind gangrenous spots about the sore, which is faction and painful. These some are sometimes the result of a specific poison as stated by learnichel. If we insculate a person well the matter of this hore it will produce another in the person incomlated. There can be no doubt of this as I have seen

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To come these I apply undiluted netrice ofcid to them, I protect the sound parts by an oint. ment; then apply a layer of lint over which of for the faire is very grat for 5 or 6 min utes when it subsides. After removing this apply a poultice. Under the treatment the some will look healthy in 4 or 5 days. Every kinds of sloughing where better he treated in this way, on every leave it checks the frequest of the gangrene. When we have the chronic sloughing Weer, where then is evorious attended with a knowing biting pains, Constituting the phagedenic, active escharatio are the best applications. These may or may not be comected with the veneseal. the outer cortical part and apply the inner. Then apply a poultice. gedenie horse shoe aleer, contenes only there parts.

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Lecture 14th. November 28th 1842. Wounds. Incised Hounds. There are the most common things in Aurgeny. The smallest cuts by a desication of blood form a scal and heal in that way. These small cuts always heal exposed to the atmosphere. When these are met with in the palm of the hand, it is the best plan to apply a thread by means of a needle. Where parts are much moved or there is much friction the scale is liable to break. It is thew better to treat by plasters or needles, bringing the edges together to prevents its being converted into an uleer or aliseess. brolies he presents thenever a wound penetrater so deep as the muscles, we always have bleeding. The block acts as a foreign body. Avoid broad plasters. By there we close the onni fice completely, retaining the fluids which create intation and throbbing, and convent the wound into an absess. I do not allow lint, bondage or any thing over a wound unless I have waited some. time or all the leaking has stopped. When I re-

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more a breast or amputate a limbe of always wait 3 or 4 hours until the ossing has ceased. the most triffling offusion exalation or hemorrhage many convert it into an abscess. In all cases I we narrow strips of achesine plaster. I prefer Grif-fiths to any other. The isinglaw plaster is very good. of the wound has opened blood ressels of importance we are sometimes Compelled to stop the them orshage. This is done by applying cold; by prinching the artery. Timeling the artery is bad franctice. The best is the ligature. Vake a tenaculum an spring forceps with a servated extremity. Aways use there when the vessel is not large; when from the size of a crow quill and under thatd who the rossels with the tenaculum and put a ligature around: it. The knot is sufficient. Then I take up a small artery I prefer the sailors knot called the double reef. non hnot I make two. This finot never slips. In making the last, half of the knot make only a single turns on hemorshage from the woulde or tourils we can apply the double reefer hust with-

ner of the wound. To do this they sometimes leave great length of the ligatures in the wound which create irretation and supportation. The best plan is to take them directly out. We then have only a small drop of pus where the ligature runs while the rest of the wound unites, eft by the ligatures drawing the lifes together. Then this apply only light strips of lint. Then apply a roller as lightly and aqually as possible. This treatment always insures union by the first intention. Use there means in the treatment of small and face wounds. Always cut off one end of the ligature and carmy the other to the nearest part, applying the plasters between them. They act like explans conducting
off the secretions. sity of setures. If we have a deeper wound caused for instance by the serioval of a tumor, the lips

are undernimed and there is danger of their beloming inverted. I have been abliged in some cases to clit away the lips. In all cases of oblique, lance, or underning wounds there is danger of the lips tun-In there cases we are generally obliged to apply the bloody seture, called interrupted seture. For this purpose I prefer a common very sharp pointed combrie needle and cotton. barry the meedle from the in a common knot. If the wound he long others may be applied to or It of an inch from the first. To not tie the knot too tight. Be content by meneby approximating the edger of the round. Take the Amallest portion of integument, but off the ends close to the knots, and then apply plasters between then. carry ale ligatures from the blood versels to the knots which may be placed at the nearest part. Over there apply lint, and if there he danger of effusion moisten it. Thenever there are deep Sounds apply bondages. Always make the pressure equals If the roomed he on the leg begin at the toes.

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Some songeons leave the heel exposed. Always cover this with the boundage. Reflect it to as to make the pressure equal. Always carry the bandage over the foint aleane the wound. The old surgeons thought it necessary to stick from the bottom but this is connecessary. There is danger of exciting instation which will defeat the union. There the wound extends cleep among nervous and tendinous parts there is danger of mortification or tetanus. the sides may be kept in aposition by compresses and a bondage. In transverse wounds pelace the muscles by heeping the timb flexed, In longitudines wounds there is not so much danger. Apply a compress on each tide of rost lint, and over it a boundage which well keep the muscles from Contracting. Fromit the fluids to me from the orifices. Apply no outment to close the ontide of the wound.

Lectured 15th November 29th 1842.

Tunctured Wounds There wounds differ materially from the incised. There are not usually attended with hem morrhage. The instrument by which they are inflicted

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may enter tearing down the cellular texture and not enter a nessel. They create violent invitation. This is done by the stimulus of tension strecking of the parts. These wounds are liable to be followed by what the Denelo Call a strangulation of parts. On account of this strangulation the old sun geons laid open the wound to the bottom, cutting through the integament fascia and muscles, making a wide surface at the top. We avoid now mahing an incised wound at first. He enjoin rest law diet and diluent drinks allowing, adherion to take place. If inflamation and stimulus of ten sion arise with constitutionals disturbances we there make an incision, only talerably deep however this will remove the stimulus of ten sion and allow all fluids that may have Collected to excape. Those punctimed wounds which have not been made with a sharp brdy are liable to hemmorshage. This the patient when no nessels of importance are roomeded con generally stop with his finger. If the limb becomes swelled

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and tumefied from the hemorrhage we must then out down and take up the bleeding sessel. In all cases where you see tumefaction from hemorrhage they must be treated so. If foreign bedies as clothe, splinters of wood or the like are carried into the wound and can be felt hard under the finger we must of source immediately cut there out. These are not generally fect until they have created insilations and Information. We then have fluctuation. There make and incession and they will come out. Cacerated & Bontused Wounds. There are of a graver character, and in which we have a more severe constitutional disturbance. In these cares we have a tearing of the parts. From the laceration we are aft to howe an overwhelm ing shock such as I described to your Even from a Contracto wound on an extremity we may home a cold surface with great proo-tration. In several enstunces I have know them to faint without the loss of the smallest grammety of blood.

There cases react slowly from this state. During reaction me may have vomiting and sometime de lirium. He also sometimes have disturbance in the circulation, in the heart, lungs and sometimes the bladder.

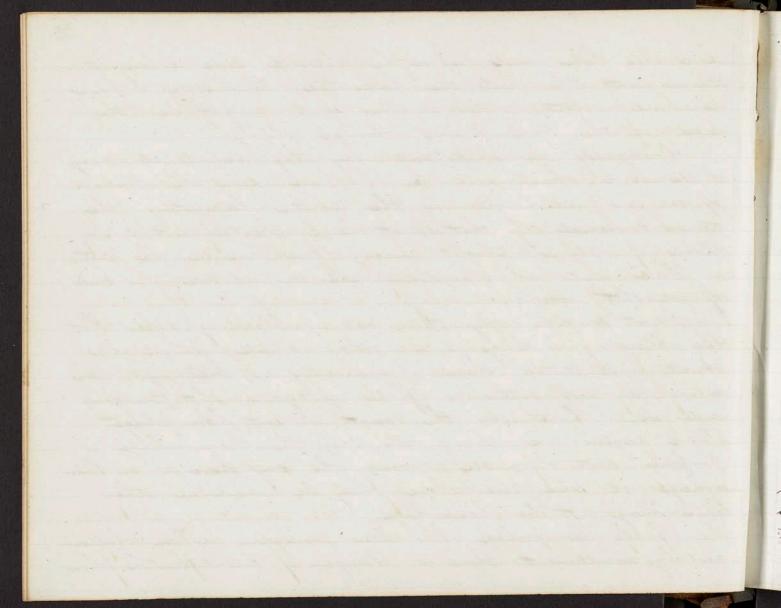
When this disturbance arises on account of it we must resort to constitutional treatment. If the patient he feeble and prostrate with a cold surface, we must administer stimuli.

acter of the wound conturing the blood versels or lacerating then there is generally no hemorphage. I have seen the shalp torso from the head without hemorphage. There is no immediate effusion, neither is there danger of it afterwards. The howers of reparation are enfected very much, yet we con generally effect a cure by the adhesive inflomation. The union is effected by an affusion of lymph. In account of it uniting by the adhesive inflomation poultices are reprehensible. Adapt the parts to each other

There was a second of the seco AND THE RESERVE OF THE PARTY OF and apply as roller moderately tight to give them tone. Be always content with moderate pressure. When no irritative excitement arises we can calculate on

a gelatinous mass losing its vitality, and must consequently stough. This stough is detached by the ulcerative process of the nessels and the wound subsequently heals by granulation. Where a continued wound tears up a fleep, it must be brought down and retained by sticker. Over this we many apply evaporating lotions, as dilute alcohol, leaving only the continued point over which positives may be laid. Poultices to the continued point, and cold applications over the other surfaces When positions are torm up in this way they always unite only the continued point.

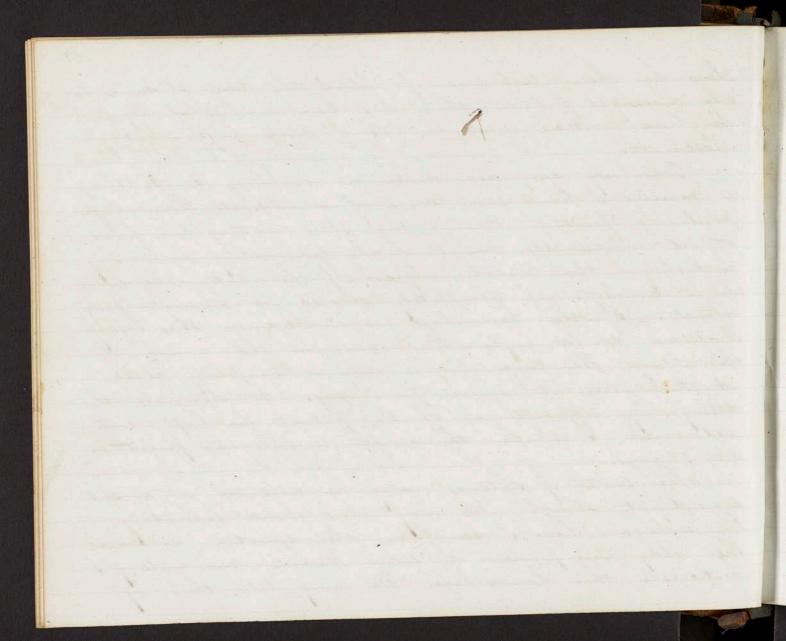
Gunshot Wounds. What is paids in books with regard to the treatment of gunshot wounds appears to be correct. I will speak of only a few points in regard to thew. Aurgeons say where the bullet enters there is only a small hole and whom the opposite side where it conces out the ports are lacerated. This state I have never seen but conceine how such might be the Case if the ball passed through slowly As regards pains patients say they experiences very little and sometimes none. I have seen the Contents of a gun discharged in the axilla lacerating the nerver t versels of that part and the patient com-plains of only a slight uneasy sensations in the part. There is always constitutional disturbances in cases of gun shot wounds . Most surgeons say there is no bleeding, other that the bleeding is large and others male. When a male bale enters there is generally no bleeding. Where a whole load enters as from a guns, that wadding and all I have seen the most violent hemorrhage. those writers are wrong who say the hemorrhage is profuse and there are wrong who pay there is no hem--orthage. In some cases there may be and in others there may not be hemorrhage. If the hemorrhage has been prodigious, when followed by exectement there is danger of mortification. When



there has been no loss of belood the care is more early managed. When there has been a loss of blood me have irritable, when no loss of blood inflammatory excitement.

Ordinarily we need make no incision to take up a versel. I have seen cases of immederate hemorrhage producing fainting. During this state a coaquium forms at cet around the month of the town ratery, some say as high as the branch above, of the antenu be wounded it contracts if completely severed it contracts and retracts. If the hemorrhage is assested in this way I always to let inflamation occar in the month of the anteny. The coaquium is only a temporary check, strether state it requires for to days to obliterate the artery by inflamation. If the patient he hept cool and quiet think the coaquium will be perfect in the or 5 days.

She Coats of arteries may be contined so as subsequently to slough. The may there have secondary hemovorhage. Then I see from the direction in which the body has proved it takes towards am anteny, I arricipate this hemovorhage. He may tell this by



knowing the potention in which the fratient stood, and the direction from which the body came. Also by formbring gently, I feeled and wear compared with that of the opposite of helow the wound, as on the extremety think there may be secondary hemorrhage, from slonging of the antery. In all case where this is observed hemorrhage must be anticipated

The treatment now generally preferred and that used by English Nabal surgeone to that of colling afplications. If the patient he depressed and chilly employ warm applications. Never enlarge there wounds. English largeous use a layer of lint merely laid on the part. We sometimes treep wet with Gold water or delute alcohol, Do not apply bandages. Leave the orifices expresed. If you apply a bandage if it be on the arm commence at the fingers, if on the by commence at the toes. Then combat symptom as they arise. If inflamation with the state of the pulse requiring it bleed and leach locally. of depression and eseaution of the powers with sink ing stimulate.

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Lecture 16th November 30th 1842. Poisoned Wounds. These wounds are connected with the reception of as morbid poison into the system. Med ical Students received this poison into the system from There are I mayo in which there wounds may prove a serious injury. Ist. From the absorption of the morbid matter into the circulation. Ind. From a puncture in an instable and disorded state of the constitution. By confinement in a crowded bear time rown, and sleeping in ill ventilated and fined apartments they become extremely irritable. There a would to made in such isnitable habits, it is followed by a diffuse inflamation in the cellular, the limb smells and we have local and Constitutional irritation. It differ from the absorption of virus which commencing in a part is carried into the circulation. It is worse than Engerpelas in running under the skind There is hurried respiration and high action which the constitution is unable to support, In these cases we cannot blead so free

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by as in Engerplas. Some surgeons say we connot Place at all. I have seen cases where the pulse was hards and corded vise under the operations becoming full and loft and the shin moist. The may resort to bleeding where the pulse is corded, Not active depletion as these cases will not bear it. Not more than 6 or 8 owners. to the part apply exaporating and anodyne lotions, larnest the scenetions by giving mercurials and anodynes internally. When necessary apply feeches. When flue, to distinct make indivious to releive the tension. There will prevent depos and infiltrations of matter. When the matter is evacuated use emollients with a bandage. Then the abscess is opened in this and engapelatoes cases the isdine outment is a capital thing. Support the Constitution by have air permitting the patient be out of In other cases there is alsorption of the morbid visus. There are usually not followed by inflamation towards the trunk of the body. We have rigors, intoxication, giddyness or coherency of

mind. The system suffers before the part. When the system reacts we have manifestations of great disturbance and tuneatt. Sometimes a smalling in a part of the body remote from the would. The pulse is small and quick. The breathing is hurried. We now have inflamation in the wound showing itself. This produces an inflamation like Engapelas and which is followed by gangrene. These patients generally die before suppuration takes There are I periods at which persons arey be effected from dissection of the body. The first is when making a past moster directly after death, before the body has become putnice. I believe it is the halitus from the blood in this state which produces the poisonous effect. We notice this habitus in the blood of different animals, the horse, cat, and others and in them different. So in the unine of Some animals. When persons die after child bearing of an erysipelatory inflamation of the peritoneum we Observe this. In descetion after disease of the peritoneum it is always dangerous. Dome singeons

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say rokew a cut is received there danger of inflamation of the serous membranes. It is better in making post mostern examinations to wait at least Is hims until this nauseous odour is gone. This may sicken the person and poison the breath. I have known cases where there was perceptible after sev-The next is in putrice ald dead subjects. These may always contaminate by direct absorption. There may produce a diffuse inflamation in the collular textures. The know that by absorption the fluids may be contaminated, becoming as in Typhus. The bland loses its power of coaquilation and swellings occur in remote pasts of the body. With regard to the treatment nothing has proned satisfactory to my mind. The maj give Opium with Calonel and antimony to restone the secretions. A stimule when required we may give ofine and ammonia. Jour may give It in 14 of a grain of morphia to releive trritability. Of the Carbonate of ammonia Tyr doses to keep up the strength. When the secretions have been restored me may give

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the Sulphate of Lumines or Huxhams dine, of Bank. When the fast becomes tuned make encesions to let out the fluids, no matter where the swellings occur. Then apply emollients and antisepties. Stepping & on is the best wet with a solution of morphia and blackened with charcoal. He may use Pressots or a solution of some of the chlorides. By this treatment I think it is possible to save life. There can be no doubt best vil on the fingers prevents the absorption of the vinus. Whenever I exam. ine a carity of always make use of it. When disser ting always avoid points or spiculae of lone. I had 2 students who died of Consumption from scraches receirad in opening the chest of a subject. They both had diffuso inflamation of the cellular tissue; in one I was compelled to make for 14 ofenings. Bites of Venomous and Habid Animals. More con he found in the publications thou I can give you about these cases having had little experience. There care be no doubt but the timely evacuatron of the vienus produced by suction as the old Romans used to do is the proper practice. Tarry

applied cupping glasses over the past producing a reculsive effect with the poison, applying bandages abone. I always resort to incisions. I seen 2 cases when the patents were merely serached by the teeth of a ralid animal. There were treated by canoties but notwithstanding both died ralid. In a man, who was litter the same animal and much more se verely, I exceed the part. This was raine years since and the man still lines. I cat out the past and promote bleeding by coops. In all cases of hites from serpents, ralid animals and the like the proper treatment is to excess the part. From up the thin pinching it between the fingers and remove it by one cut. His is better than to cut round the part. If after cutting you observe any livido or other spots extend the cut deeper. In regard to the general treatment of can say but letter. I have known the case of a person who had been litten by a viper, recover by the Common treatment for local inflamation. There is in doubt this is the best way to treat themo. Of there be sinking give ammonia internally and

and the street that the street of the street and the second s a sure of all others have been all the sure of the sur 

apply externally. As for the effect of remedies in Hogo dro phobia I think they are if little avail. Many cases of Eurer are given in the journals but I think they were not cases of Hojaropholia. The is given of care in Battimore by the use of Sacharamo saturni. The person who prevented it acknowledged to mes that he was mistaken. I cases of poisoning by the worrara they heep up antificial respiration by means a believes. It has been recommended in Hojarophobia.

Lecture 17th December 1 st. 18 h. I have forced of local affections of how come to the consideration of local affections and first of the heads. At this time I will say nothing of affections of the scalp, or of the bones, but blows, the shall remaining entire.

If there injuries there a great many varieties. I will notice three. It blass thase which follows immediately after the injury, and characterized by great defencion of the vital energies Concussion. Ind blass. By oppression of the vital energies Compression of the toraine and blass. These marked by excess of action in the

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brain and whole inflamation in the brains. These & classes following Injunies of this organ are distinct and separate. Sometimes we see the symptoms of all 3 exclicted in a patient, but generally toms occur distinct and follow each other in succes. sion, running from one into the other. I will endear. our to make it as plain to you as possible, and Boncussion. This follows immediately after the injumy is received. Some say patients have walked about and then fell. This cannot be comect for it is immediate. When the person has not cancussion at first and this state follows after some time, it is a fainting or collapse of the systems It is a mistake that concassion follows at any time after It is supposed to result from a farming of this organ. When it results from slight causes, there the the energies of life. The fatient is mean and torfice with a cold surface like that which is

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fall from a more severe injury is received as a fall from a window at a great height, there may be a contusion of the organ leaving the past blood shot.

When produced from a very great height, the brain is generally lacerated, this being generally at the base of the brain. The course of this body are hiable to be ruptured; or there may be a supture of the blood vessels.

The may have Concussion from there is the shipstest stary merely staggering and weathness directly of tomands reacting and getting up to the ownwhelming shock, where the surface is cide, a mene trembling of the heart and arteness, disordered respiration the action of the diaphragm being scarcely perceptible and merely sufficient to keep up life; abolition of all must calar power there being no motion perceptible, and insensibility to the action of any stimuli, Between these two we may have every variety. It is impossible to five on any one form. They may mun into each others you must not expect to find in the

few pages written when it in books any thing satis-factory. Abennethy on injuries of the head is the hest article. The symptoms of concussion are like those of fainting from excessive depletions. There is coldness of the surface with a dimenution of the vital powers. The pulse is sometimes as weak as possibly can be; sometimes tremulous frequent and weak. We have all those of diminished cenebral and nervous energy. The pratient sometimes when roused will gount; will sometimes give an imperfect answer to questions put to thin Showing a low degree of the power of comprehension. In non shake and full them and they take no notice. When slight they always give some signs of life. There is a great variety in the form and manner of disturbance. Some one thrown into Consulscono. They will froth at the month, clench the faw, and firsts, and strugglo, and toss about the rooms. Some have very violent spooms. In some cases both for hilo will be dilated in other cases only one. They

are often Contracted. Unthous say they are isensible

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and permit the light to enter, you will see the The symptoms are like those seen to person blest to fainting. They sometimes womit, sometimes become de lineous, sometimes have disordered respiration, sometimes the feces and unine pass off involuntarily and sometimes we see theno thrown into consulsions Almost every variety occurs in fainting as is found in Con-When not extreme, when no obstruction to the cir-Culation it is followed by reaction. The heart acts and the blood is forced to the brain which recovers its action. When, as after a fall from a height, they do not react and remains insensible, cold debilitated verging into death thew the most petent stimuli are required. So it is after bleeding. The great and Sudden delitity brought on by a fall or bleeding produces lass of cerebral energy the whole system becoming prostrato. the Consequences are different. When persons are bled maderately they reach and reconey. When bled

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largely they react unfavourably thom concussion the system reacts under a dis advance tage the brain which has been disturbed, or town, or its vessels weakened receives a preternatural amount of bloods, which is likely to result in obstruction, like Congestion or in inflamation. Sometimes when toxing and reaction follow they may throw out blood which will produce compressión Reaction is desirable but it must not be too high, neither must it be too soon. When called in do not sevort immediately to means to produce seaction. Som reaction is better which permits the wessels to contract. The Coaquelung which forms resist subsequent danger of offusion. Sudden recovery is not desirably and alone all violent reaction. In moderate cases with a small pulse it is het ter to leave them alone. Place their in a cool air remove all bandages about the body head and necho and allow them to react in stow degrees. They when the pulse is gone and the patients is cold and insensible must we aid. The Castom then is to nesort to sternutatorys to

rouse the heart into action. Stimulating sterrentalongs act very applied occasionally. Do not like so often as to render impuse the air. Use frictions to the extremityo with warm hands or evann naphins; there are let ter than lotions. Then lower to head to favour the of flux of blood to the head by gravity. If this treatreaction is coming on. Where there is an extremo case use injections of brandy or turpentine. You may use 1 to 2 owners of brandy with greel. At the same time keep the head low, use sternertatorys and remore all ligatures. Then the system reacts if there is a full meal on the stomach they are apt to vomit. It is good to favour this. If it should not occur promote it by giving a gill or /2 fint of warm water. If it does not then follow give Common Salt or mentands, and if necessary specaceanta or Sul, Line. If it be permited to remain on the stomach it consist be digested, and

lent. Some bleed before reaction takes place, which

will produce distressing effects. When the system ser

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is murderous practice. After reaction if there he high excitement with a fall pulse draw bloods. Do this mid orately. This is not often necessary only in plethorie subfeets. If the system react a second time draw blood again. Never allow it to become so high so to dilate the nessels and produce effusion of bloods. Praise the head and apply cold applications. Use clothe hept neet with cold water or a bladder partly filled. If one operated whom. If necessary use leaches. I must caution you about thinking too light of Concussion. When the patient after some time talks and laugho they are aft to think too light of et. It is always better after there enjoines to confine to a moderate regimen, operate on the bowels, and heep

Compression. After a person has undergone the phenomer ena of concussion, and reaction has taken place, we may have an effusion of blood producing pressure on the brain. The patient falls down in a senseless state. He has stertorous breathing. There is a

greet degrees senseless- some fall with a Vorum compression by clayer at longularies refere compression .

great degree of prostration. The patient is not cold pale and pelsaless as in Consussion; there is increased temperature, the nessels are distended with belood and the eye vagorged. There is vigorous arterial accitement accompanied by as great a degree of loss of power. There is proving and stentorous breathing; the palse is plan and fale; the pupils are distended insensible and immorable; there is slow laborious and stertorous respiration. There do not arrive from mere pressure on the brain; there may be a slow pressure as the growth of a turnouse and the brain become accordined to. It is the effect of the morbid action of the vessels assumed in carrying on the circulation. Then do not Come or immediately. I home day may claps after concupier before contrapion. Lecture 18th December Indo. 1842.

Clear an idea a & passibly can of compression in its simple form. When the system from Concussion, the ruptimed blood vessels throw out blood which compression the presses the cerebral substance.

hed by anterial excitement. There is insensibility and

I come come a suff the for a for End from the form from from

lass of muscular power marked by oppression then de hibity; the pulse is full and strong; there is a gungle deep about the palates; the breathing is strong and vigorous; the shin is warm; motered of the Cold and deadly pale shing in concession we have it warmy the pupils are delated, and fixed, and insensible to the action of light. In some cases the wholes bady is not panalysed; where fulled and prinched they will show signs of sensibility in one side constituting hemisplagia. In a majority of Cases there appears to be complete paralysis, but in slight cases when pulled they will gaunt. This Shows a meld compression on one part of the bain, while other portions are only slightby compressed. In severe cases the whole substance of the brain is compressed. There may be compression of one part with mereased a mount of bland in another. When we bleed such lases, elevate the head; and open the bowdo, we diminist the local source of compression while the other scale is releined. The side begins to move and feel; the mind which he

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fore was torpie, shows some feeble degrees of appre-

reacted vigorously and there is compression of all parts of the brains these will be a relaxation of all all the voluntary muscles. There sphineter muscles are relaxed as those of the anas permitting the exeape of the feece, the breathing is low and the pupils are immerable.

of hower on the side officiale to the one compressed, there is great diversity on other forms. In there above the brains is sounds, there is no suffere me depressed bone. From there we have them up to where the skull is fractured and depressed; the brain lacerated; and indeed every possible ramiety.

pression and consussion. The patient sometimes never recover from consussion. The fratient sometimes never recover from consussion. The brain deep in its substance has been injured. Hofre Consussion has chiaficared compression has supervened.

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in each. In Compression the pulse is one of exectement; there is no power over the museuler systems; he is toopia insensible and motionless, sometimes only one past is immorable as one side or one limb; sometime spasms like those of tetamus, it great man my varieties ocean. The symptoms which generally cecan are thre of concussion intermingled with those of compression. It is extremely difficult to give a when there is an organic lesion of the brain and the system reacts they are all intermingled That class which requires trephining where there is no external wound, I will exect consider. Suppose a person has received an enjury and therapentia remedie, have done no goods and you officehand a fatab termination: in this case it is required. In Concussion, trephining is never required. Even where Caused by spiculae of bone, eleof Compound fracture with Concussion, I have removed the bone and there was no neleif afforded

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Where the bone is sound and there is functional desangement of the brains contusion of that organ with symptoms of Concussion the Operation is not regularised. They when there are certain signs of Compressions is this operation required. In effusion into the wentricely or bases of the brain this operation is not neguined because the blood count be got out. It is only when the offersion is between the internal table of the Craneum and dura mater can we operate In the great proportion of cases the effusion is situated round the ramifications of the middle anteny of the dura-mater in the region of the temple. the home is more easily fractured in jamed in this place than in any other. This artery running outside of the dura mater, and sometimes in the Somes of the cranemo. The coats of this artery are not strong but are very lasily torw. From it if sudden reac-tion take there may be an effusion of blood. This may roun to a greater or less extent pressing in the the dura mater When the have a fure case, not complicated with compression, where the patient got up, talked

and afterwards when the blood was circulated with Some force, had giddyness, followed by sinking, and loss of the power of apprehension, here in all probability the offusion is immediately under the bone. At what part of the shull this is situated we generally judge from the spot at which the blow has been received. If after a blow we see a fuffy tumour we examine the bone. The signs the older surgoons had has this. If after soraping up the perior term they found it dry no owing of blood from the lones they and the Coaqueline was honeath and had peparated the dura mater Non me have a pathol Egical and physiological signs. He know that at the base of the brain the corpora pyramidalia cross each other. he know that paralysis must occur or the side opposite to the side compressed. We do not only look to the side on which the blow has been receive ad but we look also to the Condition of the muscles. If lott tides are affected then the whole brain is a diseased Condition. If one side then the Compression is on the opposite. He take both there buto view. Authors vay that his some cases the

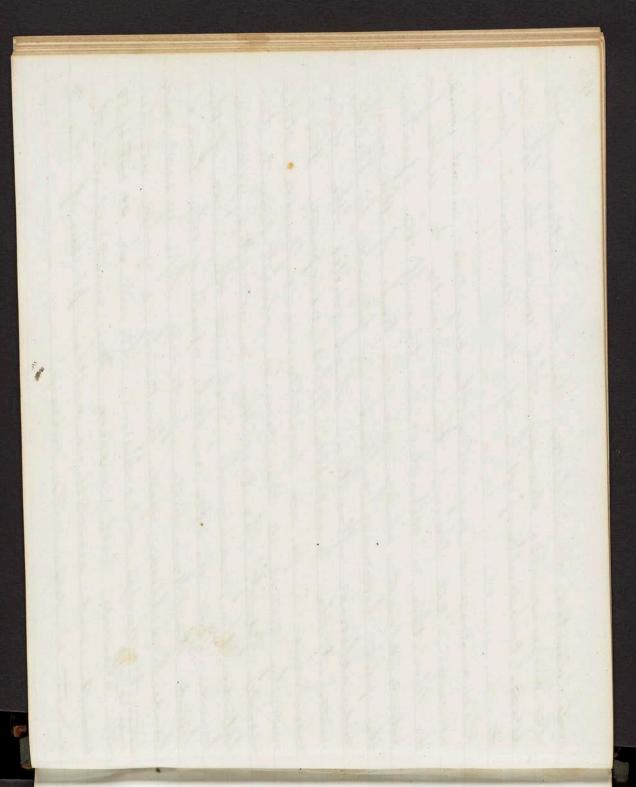
palsy occured on the ride Compressed. But they are wrong . From all the observations of have made I know numeular paralysis indicates Compression on the opposito side. It person may receive a blow on one side of the head and be knocked down by it. He may fall upon a body receiving a blow upon the opposite which may give rise to enternal offusion and paralysis of the side first struck. In this way I Call consider the brain opposite the side struck is affected but I think they are mistaken in this The Care in which the operation is required is where after the patient is goodly he staggers and falls; he has snowing and startown respiration, im. mobility and insensebility of the pupil, profound startor pled the patient is this state, and by it he had recovered slightly his sensibility, then again falls ento this state, we proceed at once to perform the operating of trephining.

Trephinging a commence this operation by making con incesion through the shin then another to cross this making the two like the letter T. When a blow has been received I search in the part where the below fell. When there is mark I prefer making it in the middle region. To not cut up the perieraneum but remove this by cutting around the trepaw with a shap instrument. Some do this by means of a cutting instrument attached to the trepan. His is imnecesdany as all can be done by merely passing a sharp in. triment around after the first has been applied. There is danger of the bone dying if this he asmos-fanther than the circle made by the trepan. If be find the bone dry and pale we have another indication of blood of blood immediately beneath. of there he no serous or bloody points we conclude the nessels on the unide have been removed, and the cinculation is not kept up Use the pirot for making the centre; it is unecessary to use a perforator. When you have made a gutter in the bone draw up the pivot as there is danger of it entering before the vac. Wash the instruments gently, and

make the pressure light of is pearcely ne ceasary to more the humans; good surgeons merely notate the radius on the ulna. There is danger of cutting through the bone on one side too Down. When this is the case incline the instrument to the opposite, It is not necessary to have different enothineents with segments of the cincle removed as some surgoons have. Then the instrument gots into the diploc it roomho easier and cracks more. When in the diplace examine if the instrument has entered at any part the internal table. He can examine by cleaning out the cut with something. A tooch pich to the hest thing for the purpose. When the tre phine has entered pretty deep I always endeavor to remove the portion encircled by it with the trepan Jonceps. Then this Commot be done we may someetimes pry up the parties by means of the elevator. To not pry completely out by means of this as there is danger of opiculae of lone entering the du-Jonacho. When this has been done, to remove the speculae of lione an the luner table use the OrmJan .

com elevator. It is better than the lenticular of the ald surgoons. By surning this under the bone we detach considerable portions of the dura snater from it.

Nome trugeons say when the Coagalum is not joined we must cat through the dura mater to search for it. When this is wounded on time of the operation patients almost always die, in time of the mying the part becoming inflamed is followed by healthy and adhesine inflamation which united the duramater to the anachnoid. When we operated this membrane is in an invitable or inflamed state and by cutting it the case is almost sure to tenminato fatally. The coagulom is not often situated between the membranes only at the base of the brains. But if, after I had removed the bone of found the dura mater protuding like a sack and livid like bland and fluctuating, I rould not hasdato to make an incision into it. In 40 aut of 50 not attended with success. The must close the bround and search in another place, if this is not attended with success.



Lecture 19th. December 3rd 1842.

The person after Concussion lay 3 or 4 days, in a plate like that of Compression it may be owing to the guartity of blood in the bain from weakness. When you see this state heep down the pulse. If excitement bleed and if necessary follow by cups. Attends to the bladder, Although there is relaxation of all the voluntary muscles, and the fees pass involuntarily yet the limit will collect and the bladder become distended.

bone, when the patient becomes pensible after concussion and then gradually becomes giddy and falls. Then there is organice besion of the brain the patient vice not become sensible. I have never found the effusion in the fracture. It is generally in the region of the temple. Sensitive paraly in the region of the temple. Sensitive paraly in the region of the temple. Sensitive paraly in may be on the same side of the body as the brain compressed, last all these menues do not decussate each other, I have seen tumound on both pides of the brain and on-

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preponderating over that on the other. This may be the case in fractures. There may be fractures Ion both sides of the head. In the side where the greatest pressure is made will be found the least paralysis. The one fracthe may be the more extensive yet the actual pressome there villag he least. I would not always say the bloods was under to bono when the patient had been sensible. In drunkands where the pia mater is garged with blood, as are weak in there, and not from there wersels, which spineal artery. In strong and young subjects of would say it was though not positive. Then the respirations one feeble and weak, the case is not favourable for the operation. The desire to have them strong and full. Jone surgeons say the operation must not he performed where there is no fracture of the lone. This is a mistate. I have read of 50 or 60 cases when it was attended with success. They say if the block he found the Congular commot be got out. I have always found it comes with they

had not the signor we have now. Injuries of the scalp and bone. My theatment is these is different from that of of the hair and their employing stickes or adherine. I prefer to post the hair, put the fasts in their notwal situation and then plat the hair. Let the block Coagulate, Resping the opposite sides together by tieng the hairs. I do not do this in Contured wounds but in simple lacerated on incised wounds. In this way there is less danger of Engsipelas . When you have a lacerated or flap wound in persons accustomed to wearing the hair short, the bulk is aft to be under the flap and become dead, Thenever you have a wound escamine the flap; there may act as foreign bodies. We must take hold off and full there out from within. They may he pulled from the entride dut from the inside is hetter. Acting as foreign bedies they may produce supportation or enjoypelatores inflamation. If the flap includes a partion of flesh leave there alone. it's regards esepasure of the bone we

must not think it must expliste. A flap that has been town up, if put down again will adhere. If the part be kept soft, clean and moist, granulations will shoot from the surface and the two will unite. The pasts must be wet for this to take place. I prefeer the slipping elm emelsion or that of brown or floresced, Listons recommends the use of Gold water. Apply lint keeping it wet with this. you must watch it lest it should become dry. When the bone is injuried a prefer leaving it alone when we can In a simple fracture, where there is no uneasines in the brain indicating an enjury to the organ, no Concussion or Compression, if it be treated by antiphlogistics and evaporating lotions to the past, the patient will get well. I have seen them over and over again recover where great masses of the home had been depressed. We see this in Children. I have seen great portions depressed where there were no symptoms of concursion as Compression, which gradually raised up. Where There is a simple fracture not compressing the brain the general rule is to let it alone. He may

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have an unequal fraction where the fragments may turn in. I have never seen proper to make an encis ion to prevent their tilting in on the brain. In all cares I have let alone and they have got well. I have now a great many postients walking about with depressed bones, having no epilepsy, plan

Compound Fractaines. When we have a compound fracture with unequal and definessed portion of bone, we must cut down and remove the pieces. We Cannot make the Case worse. In compound fractures me are liable to have inflamation of the membranes or brain when there are compressed. We may prewent this by slevating the depressed portions. There are always more or less spiculae which will be come dead and lie there as so many pieces of bricklat or stone.

The way to dilate the wound is to place the back of the knife to the strule and making the incision from within out. There is danger of catting the brains when it is made from without in Generally a single transverse incision will am Marries to the section of

ower the purpose. The old surgeons used to cut away the angles. There depressed fragments which are most likely to lose their vitality must be removed, and not only clerated. The old surgeons say we must apply the trephine over the sound bone, to get the in-A trument under the defressed portions. It is never necchang in fractures with depression. I take a come mon elevator for this purpose. You may use a seise sors. In one case I used snuffers. I have worked all the pieces out will there. Then the internal table is depressed of sometimes find it necessary to use Hay's saw. With this I saw off one of the most prominent angles so as to get at the interressed tables I use it where the depressed portion of the external table is small, When the internal to ble is depressed Estending for under the external, I will not say the trepline might not be necessar my. Then applied it should be about the margin of the fracture. It never should be applied on the defressed portioner the internal table is alr most always more broken than the external, have its name, the tables-rities. In this case it

will not do to continue the trephine longer than than when it has passed through the external two ble. When the fragments are entirely detached they must be entirely removed. When they have remorning vital connections they may be left. The raged margins of the scalp moust be removed. I ovener are sutures. Apply a layer of lint organtly post which may be heft wet with water. It we may use of Brearate Carapo to 1 since of Alcohol Adhesine inflomation wile take place under this application. I believe this application the Breasonty prevents fungus growths. I sometimes use to fungus growth, 30 or 40 dropo to the owner. By this treat, ment granulations will shoot up, a ligamentous substance will form over the past and it will head bearing nothing but a sear which is of little cour bequeree in the Lead.

The same of the sa

Lecture 20th Dosember 5th 1842. The manner in which the depression i clo sed after trephining is by the dura-mater and pericoanium Cralescing by the adhesine inflamation. Where is no such thing as futting in pieces of selver or gold; there would not as foreign bodies. Voice English langeon has recommended putting back the fiece of bone, but the idea is silly and abound. Inflamation of the Brains ical mew. They think almost every anterial execito-ment after an injury indicates inflamations of this organ. But others is generally a considerable time between the injury and inflamation of the brain. In other argamis inflamation follows much sooner. I have known gor 10 weeks to elaps before a extensent has supervened. It generally arises from 4 or 5 to 20 days after the injury. I know one care where it followed 26 days and another after For 6 weeks. In inflamation of this orgon we some times share wometing; best you must not think that lacony worniting, and deliniones that follow are

and present himself & long absorbed AS THE RESIDENCE OF THE PARTY O

were treated as inflamation of this organ. If there were treated as inflamation ought to be, almost all of them, would terminate fatally. There must only be moderated. by be moderated. In suffamation of the brain the Julse is small hard, quich, frequents; there is dryners of the tongue and skin; the eyes are impatient of light; there is delineurs; there is womiting which continues for tent. It may be carried and should be to a queater extent in this, thoug in any other dislane. I have black in some cares 14 or 16 times and have followed there by cups and operations on the bowels with the patient has been left bloodless. I have seen cases where the patient lould not bear the tick of a watch in the room; they would hear wagous lanning at a great distauce from the house which we were unably to hearn Heere I have applied blisters to the head, free ping thew are for 10 days. On Compression attended with a good deal of reaction and full

The state of the s the state of the s ness of the wessels, patients will bear more than his Concussion. In Compression I mener bleed more than 6 or 8 times: if we continue bleeding here they will die; but in inflamation patients will bear enormous quantities. I have in some instances carry it to so great an extent, that patients required artificial respiration.

Lecture 21 st. accember 6th 1812.

Result of inflamation of the Brain. I have showen of the membranes. I do not believe this. In suffermation of the membranes. I do not believe this. In inflamation of the mem hanes, the wislent phren- many is not condition. When the wislent symptoms are excluted ale is inflamed; all must be injected at the lance time.

of grant we may have a low chronic phrenites. There is dulness and stowness of apprehension,
if a question is asked he pays no alteration to it; if
another he asked he will matter out an answer to
the first; he will get up, say to go to the close stool;
he will go, but on coming back will not go to had
again but to the window perhaps; if in a hospital will

go to and perhaps with the mean on the next hed, if left alone he is peaceable; there are no masks of excitement or delinium; the pulse is never terre, ginch and rapid as in acute inflomation, but is frequently slow as observed in apoplery; the secretions are not arrested, the bladder becoming over detraded; the how. els are torfide and distended; the skin is frequently moist and soft, and not day as in the acute form. These cases never require active depletion, of bled only a few ounces; and this seldons, We may more enfor issues or tantrate of Autimory Untiment. With there use catherines and insitation on the contremities by means of the mustand or Verpentine. All nicans are uncertain. He generally have an absects formed deep in the substance of the brains; between the dura mater and brain, or betraccer the home and oliva mater. dometimes we have a doftening down of the brain, constituting the ramollisiment of the French; and some think a mortification of the brain, but this is question able. In either of there it is more like engager ment or conjection. In either we may have suppose

The cuestion which arises is Com we perform the operation of trephining for matter. The objection is no precise place can be fixed whom for applying the thephine. I have never known to take place When the bone was un broken where success attended the operation when matter was sought for in cases of fracture of the bong attended with supportion the matter may be concerted Lettine Land. December 4th. 1812. Sungus. Henre the cenebral mater ter vices from the cavity of the wound through the torn men branes. Some surgeons say this generally proves fatal; others day not using pressure and stypties; other end cut off the protonded portion. beny different forms of protruction have been descrip bed under the name of Fingus.

On one case there is sufferation in the Parity attended with the growth of granulations. When smollient applications have been too long used there may shoots up to some height above the surface. By pressure there may be made to contract, to

effuse lymph and cicatrice. They are nothing more than luminiant granulations. I have seen there growing from the eage of the bone and clina-mater. If presume does not succeed, me may use the sulphate of Coppers of we heep the patient in a good condition using stypties and pressure there Cases will get well. Those who say this terminates fatal have seen other cases where the bone has been driven in, or where the membranes have whereated: Here there is Increased Circulation and when the membranes give way the brain neses. Here if the membranes have alcenated or broken the protousion looks ragios. There frequently occur after gunshot wounds. They may the prespect down if only moderate pressure be used. These and not the severe cares that arise. after punctured wounds, where abscesses are formed deep in the brain producing producing protinsions which almost invariably from fatas. Authors tally and that cicatrization had taken place. But there cares must be exceedingly rave.

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The only way to treat there is by heeping down excitement, leaving out the matter and theeping off the pressure. By this treatment I have length-Ened they days of patients but have not affected as cares. I stone used the oil of Create which coag-Reefs down inflamation and suppuration; it defends they lymph over the surface. This is our only plan. another is a protousion of water like of bladder through the entruses or fortenells after birth. I have seen this protocoion through the postenior fortanella. I could pread back the fluid into the Cavily of granumy; when pressed back it produceds symptonis of compression; the tumor was transpar rent and fluctuating on this case it threatened wheresting; from this of determined to make an ef fort to save the child. I tacked this by means of a meedle making an oblique puncture, stiming it around to produce inflamation and ablesion . By this means the cavity was diminished. I determined to excise the part pressure producing symptoms of Compression. He chied took a violent cough and

died. These cases have been called fungus where there is protourin of the membranes fike spina-befida. In these cases I endeavour to draw off by functuring with a cataract preedles and to produce inflamation in the carrie ty. If this does not encounty of tie up with a lig ature the shin leaving it slongh while the part her neath united by the adhesives inflamation. This has been recommended, by Aleenathy, but I have not been so successful in following it as he has. All my cases of opina lifida die, where are of a different chartester from Hernice Cerebri. Hydro cephalus, I need not detain you long with this. I had a case of a child which had rigors, it was stupid; its eyes protraded from its head. He par rests had heard of a case of the kind releined by topping and cusisted on my tapping this. I did it and drew of pelancia where I left enough in to prevent the brains entirely collapsing. The child after the operation had no conversions; was sensible; got better and I had some hopes it would got well. It lived Beneral weaks when it died. The operation of tapping is easy. Jou hold the instru

ment to one side making an oblique suncture. He seen etrates they membranes and if necessary the lateral ventra cles, drawing off the fluid. If there he much stuid and suddenly withdraws they collapse would be to soon. The stimulus of tension would be removed too soon. We must only chan bor sounces at a time.

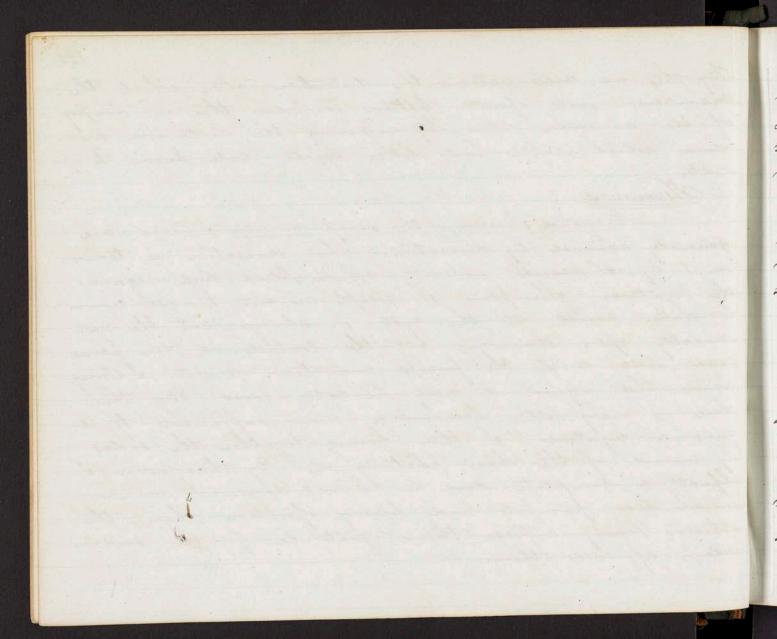
I have a poor opinion of this operation in internal Hydrog cophalus. In a case of external Hydrog cophalus.

The only way is to give the hydrogogue catherties. If give the Bladering in doses of 14 or 16 of a grain Reep ing up continued action on the bowels. I have had Easer of cure from this medicine producing free actrong on they bowels with blisters to the head. I have had cores coved by Calomel giving 12 grains in the course of the day in 3 or 4 grain dones, until the stooks were of a green or petals like colour, using at the same time belister to they head. Our surgical attempts have mot with poor success. If evir of have a case a will resort to blaterium before tapping of I de tap I will only make a small punetime and draw off only 3 or 4 owners of the fluid.

My this we will relevine the distention, after which the medicines will operate better. We see this in druppy of the abdomen when by releiving the distension, medicines robich before had little effect will begin to operate,

Tumours.

Encyoted Sumour of the Dealp or Wen there are generally removed by dissection. This dissection is tedious and by it nessels are cut robich bleed and nequire the ligature. The plan I adopt is, not to cut down to and dissect out the cyot, I always cut the cyst directly open throwing out the contents. I then beine lack side with the force so and tear it out. I strong hands that regime it may be cut across. By this there is very little hemorrhage mover sufficient to requie a ligature. I then bring together the sides by means of the hair, platting it, By these means I effect a complete care in 16 or 8 days. It is a much hers painful and bloody operation than the other. many express their gratitude for the sudden releif afforded othery.



Enlargement of the Farietal Hole. There is generally a smally hole at the back and while hart of the parietal which I have in some cases seen enlarged. I had a care where, a large view amptied into its discharging its blood into the sinus. There was a varieous state of the veing down over the forehead, eyelids, and face. This chiefe was afflicted with cerebral symptoms as convalsions. The Thyrician whose patient it was wished me to puncture the vein which I declined doing, I seed, leeches, but the abile finally died.

Excostorio - Ebonitio of the English There a a great many variaties of this. It is produced by a slow inflamation of the external table with enlargement forming as lumovor. These are generally about the sixe of a shew agg some times there are several of them. If we attend to there in the forming plage by depletion progratines, alteratures; by general treatment they will reach but a moderate state of development, by this they will remain stationary. I have over and over again seen there from the time of a kickory nut to that of a heur egg. I have had cases

 from boyhood to manhoud. We very rarely performance of them.

Case when the patient was not able to put on a lost from the sine of it I removed it. I made an incusion one care it and found it hand and ivery like; along the fixeum ference of could see the common porous bones on this case I used Hays say carrying the along the base removing it like an and from the circle. Here they paint by the patient ght well and they operation was attended, with you inconvenience.

There is some danger in removing, these tumound. If gentlemany came from Pittsburg, having been told of the first case. He had a stumour bituated over the longitudinal sinces, running obliquely from the right to the left side. It has hard and hungields ing. He had cerebral disturbaces; there was vertigo with fulness and determination of blood to the head; there was unable to attends to any business. Inasmuch as he could exilit all the functions of a healthy brain and undertook to perform the lookeration.

Care day to the contract of th

When I divided the seals I found the tumour dense and firm. I cut through it into the interior and found considerables internal hemorrhage; also that I had only removed the lid cutting through the fungues tun now beneath. I then cut with Hays saw all around the base and cat out the whole tumour at measuand 43/4 in in one and 31/4 in the other diameters. I then found the temour projecting down into the brain. This part I duy out leaving a cavity which held Wh armees. When I got Hown I found the dura-mater had been definessed by the bone small spic-ulae of which adhered to it. I removed all of these but the last. In removing this I tore open the sengettedinal tinco. There was a surden quot of blood from which the man suddenly sack, I make compression and enceeded in stoffing its I fermitted the compresses to remain for 8 or 9 days dreading another hemorrhage if I removed them. It the lud of this time I removed them and found the carity filled with granulations. The surface cicatrized ones and the man got perfectly well. that was 4 years since and he is still living:

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Although generally considered malignant there has been no neturn of this. The mogical detail is of little importance compared with the phrenological. The intellectual organs were not here invaded. Those of selfesteen, love of approbation and firmness were. He was the bravest and most intropid man I law daw. He continued sitting up, swearing stalling is not to take out his brains and the like until the last spicalae of bone was semoned when he bunk. The phrenologists in this case were all pursled. Both the organs of firmness were occupied; not one only, lawing the other to perform the functions. There were merely pressed and not removed the stimulus of tension heing heft up. When suppuration took place the part glow up and this stimulus of tension was lost, as in droppy after topping: here we must use force after the water is removed. these organs her came delilitated. Then in my of the mind shew it, self. He became the greatest coward I ever seen; he would faint if I only cut a hoir from his head; he was afraid to go out of the house for fear of burn

ping his head und remained in this may until his return to Pilts burg when its was gradually restorated. We had no reason here to expect any effect upon the intellect. We must expect it would have effected the moral faculties. We ought to expect when pressure is made on the cerehelland an effect upon the sexual propensities. I thought a tumour pressing upon the portion above the eyes ought to effect the intellect.

Lectures 23rd December 8th 1842.

The above was a case of spina ventores growing in the cancellated structure of the bone. Surgeons thinks this is an inflamation in this structure, tenmenating in suffuration and the formation of an absect, the matter extending to parts around, and that this might be left out, whis is a mistake. In scrope rlons persons we may have an inflamation, and if have frequently sean it, in the small jaints, as those of the frigers and toes, which will terminate in a secretion into the bone of scropulous matter. This may be left out and there cases will get pall. I have frequently sean this in the frigers and lower jow and

other surgeons have called it a spina ventora of these parts. These are referred to, these was a red, soft wascular granular substances filling the bone, It resultoo from a blow with a brighbat. It is as malignant and lad as aster larcoma. I conceive the only difference between the two is, dotes larcome grows from the outside and around the bone, and this spina ven tora inside of the bone. All former suggeons believes it might be malignant on not. I had a last of a young mow who, while doneing felt a erack or break about the metatassal bone of the great tae. A tumour commenced growing from the part, which at the end of 5 years was no large as my fists doubled, I removed the turnour with the metalanoal lone. On dissecting it of found it collabor, the whole At the end of & or 5 years whom the next toe I observed another turnour. For the removal of this the leg was amputated below the kneed. On dissection I found this to be the Ooteo sarcoma, Afer recover ing from this a fungus turnour broke out in the

neck, of which he died. In these tumours where the bone is pressed out there is a clough like yielding or like an apple dumpling in a gum clastic bag. Ellers and abscesses of the bone.
There are found more particularly in persons
of a scrophulous habit and in those who have consti tutional symptoms of syphilis. I sur cranial discess there is a dough like feels and fluctuation. When we give sarsaparilla alteratives and the like there will be absorbed The must use in this Cotte Constitutional remedies. We are often not called in until these have been opened or releasated open, when there is danger of long continued and disagreeable alceration and carried of the bone which will extend by continuous a solution of some of the chlorides. If there he in-flamation or invitation noft emollicut pontica of slipping eliu moustened with a solution of some of the narco-

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ico may be applied. To this we may use the constitutional remodies for scrophula and syphilis. If the bone missent continus the may apply escharatics, The common plan is to apply caustic potably lent what I have found much betten is to apply Nitrie acid. Cover the sound shine will some outment, then def but in undicuted notice acid and long it on the surface freasing it with a compress. If this does not destroy it reapply the acid. This do. tackes the slongth after which the bone granulates and the part cicatrises caer. Unother is a painful and indurated tumour be low the sealfu which, I believe to be of a concis nomatous characters on extispating these they will be found attacked to bone, by ivony like fibres. The bone has a stellated strong and white appearance. When under the surface of the tumony there onght to be removed. I have know the disease to return. I have seen in some cases the cenvical glands affected, which I have estimpated. After I expose the ourface of the bone I rask it and then topply a layer of lint to it dipped in undeluted mitric acid. I apr ply this until I have produced an expoliation of

the state of the s 13 The state of the s 0 the bone. If the whole portion he removed in this way the operation is always successful the disease not returning.

The of the most comous tumours of this negrow is one I have met with in the temporal negion. The character of the turnour was not clarly indicated. Many other surgeons who had seen it were unwilling to ser more it. The boy was I yeard old. The tumour had grown rapidly and produced vertigo and coma showing that the brain was affected, I made a cat into it and found its the centre a flexible elastic substitutione, It was a disease of the concelli of the bone, the pressure Causing absorption of the outer table. There were spikes of bone projecting up into the tumour young attachment to it. I but away the arter table cutting all around with Hays saw, It was a filro contilaginous tumour into which o found o plukes of elernious bone. Howing removed the tumour I found the inner table ivory like. Ithen removed the inner table from the dura moters the men branes coallesced and the part healed, It has now been 5 years and there has been no netwow. This is the

.  only care of the kind I have ever seen.

Hoing from the head downwards I will next speak of the spinal chord. This has been considered as an appendage to the brain. That this is the contre and the brain an appendage is no doubt the fact. All of the nesses come from the spinal marrow, and may be traced to it.

Whe spinal marrow is liable to similar injunies with the brain. We may have concassion from blows for or from jumping. The sudden not being taken off by the extremities one many have concassion produced by a peculiar ascilation of filres.

This concussion does not necessarily after the condition of the mental power; meither the condition of the fulse on ohim. There is a great variety in concussion of the spinal marrow. We may have a low temperatione with paralysis of the parts below the injury; the secretions imperfect; the bowels torpic and motionless. We may find a natural temperature; the respirations may continue and the cinculation beefing up reaturals temperature.

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Cases may recover. By proper treatment I have known then perfectly recover . In the treatment we must fixed look to the bladder on injunces of the spinal marrows this organ is rendered weak and torpid and commot contract. If not aware of this the secretion in the hid ney going on, it will be come over distended and never will recover its tone. It will be come inflowed and when the water is withdraws the musous out will lie in folds; finally it will wherate for; the unive will get into the covity antide and give rise to inflamortion and death. We can tell the condition of the bladder by feeling over the negio pubis. A catheter must be expected every 4 or 5 hours until the unine is ex pelled sportaneously. The next is a distension of the aldonen from diminished peristative action. In this state we must use lascatures. Do not use hydragogues as there will proclace the most enjusious effects. Use mercarial after atines, Blue file in 2 or 3 grain doses with colo-cynth, alses a Rhei. By this induce 2 or 3 mild actions from the bowels in the Course of the day.

This may be pasted until the gums are gently

touched. Allow mild food, as greet or stato bread; after a reasonable time small quantities of meat. Locally me may use Counter issitation over the spine. bups may be used over the part we suspect to be Contused. If the lower extremities be parally old use over the lower part; if the upper as the arms, use however the apper part. We may use cups and leaches until us over comes the engorgement. Some use evotor vil or vil of despentine. I prefer the dant: Antimory Ointment: The may raise 10 or 12 primples with this above and below the part. We must not keep the patient at rest too long as from pressure on the parts, as the nates, we may execto sores. Under these we must lay hads or Sam clastic bags with air-allowing the patient to turn, and change position. Under this treatment all the cases of Concussion will recover. If there he a fracture of the bones, pressing in spiculae of home on the spinal cord I lacerating the membranes me countot expect a care of spiculae piece, grate and tear the spinal chord we commot care. If below the origin of the phrenic nerve, life may be protracted for a number of weeks. When he

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heriod. I knew the case of a man who fell fronts his horse, which stumbled, whom the back of the neck. He had paralysis, but by attending to the bladder and bowels he lined for a year. When there is a fracture we may use caustic isomes. One are each side of the port, heaping up a discharge, This is all that is necessary There is a curious phenomenon Commected with Injuries of the spinal marrow. If neglected these coses hay have a paralysis of the muscles. Here are I hids of the paralysis. The in which there is a relover ed soft and flably state of the lisules free from pain constituting the atonic state. The other the neuralgio. Seere there is inflamation of the spinal chord, There is a slow inflomation or caries of the body of the time. When the chord is inflormed which extends to the nerves there is stiffness, the tree are pointed if the patient much eccope the room the toes were catch in a crack he will stumble and fall; There is stiffnew of the limb with twicking and pain. The more they twick the greater is the pain. It is a much

paralysis - It is very aft to supernene after cases of Concastion, gradually, requiring for 8 days. The insitation from the spinal marrow extends to the neros, it is an imfavourable sign. When it is seen we may be some the surgeon has not done his duty We must use contation over the spine, giving Calonel and antimony internally, with warm baths. The calonel may be justed to jutyalion. We may que Doren's pou der to produce disphoresis. Use cupo our the first. By this treatment we pometimes over Come this but not often, particularly in old persons. The spinal marrow is sometimes found in a state of roftning or ramallessement of the French.

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Lecture 24th December 9th. 1842 Fractures and Dislocations of the Vertebre, a will speak more at length on this subject when I speak of Fractures and Dislocations. Diolocation. If the part he contiderables dis located he law the origin of the phrenic merce the same condition will be seen as man seen after of each sing of Contusion. Jone say priapione occurs when a person has undergone cenebral contusion, but it cannot be set down as distinguishing a disordered state of the spinalcolumn The treatment, by many, for dislocations of the spine would destroy life. Some cases are gin. on where the dis location was reduced by turn ing the spine in an opposite direction to that in Which the dislocation had taken place. This could only have been in cares with distocation below the origin of the phrenic nerue. If distocation take place in the atlas on the dentata, by timming we would tear the ligaments and destroy life Insmediately. Advantage may be derived by gradual extension made by bands fastened to the legs and

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bed or by weights and pulleys. By this treatment we may hope the transverse processes will slip back . degree of injury done to the chord. If this be stretched lacerated or nuftined a cure is out of the question. We can only effect a come when the chord is concurred. the only way in these cases is to enjoin rest, keeping the patient quiet in bed. do prevent mo. of the spine by means of a boundage of the part he contined or fractured sest is always propon At the same time me must attend to the bladder, por venting an over accumulation of wine, and to the boulls preventing distension. We must also prevent plettions by proper depletion. We many give lax atives to keep up a gentle action on the bowels. may be of some service in these cases, particulandy when late in the case paralysis exists. Where the fracture or Concussion has been relein.

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ed and nothing bent a functional derangement of the abord exists, this may be serviceable. I have seen cares effected by it. Internally it has been give en but I have lettle faith in it in this way. We may apply blisters along the spine, laying over the waw turface a corate with which the obrychmine is miseed. The salts have been used but the best is pure strychnine 6 or 8 grains to the tune of cerate applyed to the blistered surface. When the some heals make a fresh one. Myendie thought this medicine acted only on the panalysed parts, but this is a mistake; it acts on the whole systems. I have little Confedence in any specific plan of treat. ment; all must be done on general principles, Even merenny is not a specific for the wenered . The longen I line the more am I convinced of this. Fractures may ocean, and be releived from rest only the plan of cutting through the necesses and sawing the bone or raising who depressed for tions, never succeeds. The operation is a serious one if the bone he depressed and the chord lacen ated the Case is an inxemedial one. I believe of.

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never con be persuaded to perform this operation no matter how severe the care may be. Acre are sometimes comions paralyses following enjuries of the spinal clard. From the peculiar mammer in which the sensitive and nerves of Brotion come off from the chord, we may have partial lesions. From the chord being divided into 2 kinds of nerves there partial lesions may occur. of one is disturbed the part to which it is districtsted is only privily end on all cases the paralysis occurs on the same side with the injured menae. We may not only have partial Muscular paralyse but sensitive foralysis. We may have muscular motion in a part and in the some part sensation gone. These laves are very rare. Jonestines the sensation remains and the musculor motion is gone. We often see patients who can feel and not more the part. From the anatomy of the chord there cam be no doubt We may have paraysis of the nevues as they go. off from the chard independent of a paralysis of the part below. This may occur at the roots the

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compound nerves receiving the blow enstead of the spine. These may receive the impression the nupsesses of this kind, where the blow was received on the back of the nech, paralysing in both cases only the arms. In one of these the paralysis on tended gradually to the muches of the throat, and the patient died from an inabelity to expel a foreign body, blown into the mouth while open. In the other case the panalysis gradually affectoo the whole body the patient becoming edictio. the was coursed by the infloration extending along the new relience to the spenal chord After cholic, Strangulated hernia, or severe caher of cholera morbus we have often a temporary paralysis, fartienland of the extremeties; and some times this is perminent. I met with the case of a printer who by close confinement became pale and dyspertie. He was solo subject to attacks of cholie. Valile numming to his home on a slipping pasement after night, he suddenly had are attack of clotic from which he was malele to stand.

spires Para stoy wante the Singlemen the Experman interpretate to the opening the series of and the party of t Enter the month of the land was and the wife conference that there we have the mostly that I think the other than the forestand a process while the state of the s the was rained by the top property with the went the wife the water from the first with the and the first for which from the last marketing

be no sensible and stated that he left hinsself lower limbs, and of the bladder. The tugeons in attendance some unable to introduce a cattester, and from their severe attempts made a false passage running the instrument back of the prostrate, still unable to make it later the bladder. The unine ac. Connectated, the beladder became overdistended, they were unwilling to puretime it, it elevated, hunst, and he died from inflamation, Coursed by extra asotion of livine. Jost morten examination reneeled nothing more than an expection of the websels of the abord, which they attributed to inflamation, but which, I am convinced from paying portionelar at lection to this subject was nothing more than a fulness of the wessels from the black gravitating to them. The cause of this paralysis is from the nervous insitation extending to the chord.

the way demand on the first that the wind to be seen in the territory of the pay the state of the second the same of the sa The said was a second of the said of the s The state of the s

Lecture 25th. December 12th. 1842 . curvatures of the spine. We have the serpentine, which is very common in young persons, particularly females of a scraphulous halit; and the angular distortion attended with a carious state of the bones. In this the augu lan distortion there is a chronic inflamation of the bone and sufferention. By some this is called broken back, and by others Totts disease, but the best is augular distortion. the one there is a flexible distortion attended with no disease. Here is a laseity of texture; the pasts are soft and yielding, becoming compressed, assuming the shape to which there is a tendency from firstion. They are generally met with forwards, frequently a lateral livist and sometime backwards; not commonly from distortion of one bone but a yield ing of all. This oceans in persons of a delicate Leceo phlogonatie or Derophulous temperament, general. by thetween 10 and 18 years of age. all cares we by a seftning of the bones. There are of ren

in a supplication of the s probes of the contract of the state of the s ations him and sometimes have made and

coat can be cut with a knife easily. Frequently all the hones will float in water, All those of the can pus conder torsus also will sometimes fleat in water I believe all the bones in these cases are weak and off and of less specific gravity than those in healthy persons. In all altimals that have great labours to perform, the hones have great specific gravity; in the race hore they are dike wory. All the lones taken from these pensons show less specific gravity that those trhew from health persons. from there feets we draw inferences, as to the monorer in which the care must be effected. We must bring about healthy neutrilion and assimo elation, by this, good blood will be circulated and the hones strengthened. All closes apartments must he avoided; exertion in the open air must be en-Couraged; all stays or consets, or any thing confining the respiratory portions must be avaided; the with use healty and degestible food; we must regulate the action of the bowels and ensure digestion. With segard to mechanical means, as

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the use of springs stry, and the like, all of there are discorded by the most eniment songeons. ale of these must be avoided; education must be Inspended or only a few minutes study at a time be allowed the most active motion out of choos must be insisted upon; the heartiest food that Can he digested ment he taken. The must begin by giving laxatives which are almost the only Therapentia benedies we employ If the breath he foul, the abdomen full and turnied, if in any way the exacuations are tan like as pitchey or clayey we always have intestinal descongement. de correct this we excitit alteratives combined with lascatives. Sine balomel 1/2 to Igrains or Blue maso 3 to 6 grains with a baseative. to bring on 2 or 3 evacuations daily. By this the secretions will be corrected and the natural colour restored. When this is done we have all that is necessary from catherties.

then give twices the best of which are the charlybeates. Give of the corbonate of iron 10 to 20 grains 3 times a day of the bowels be torpid combine with the resistance and the fact that we have and the said

146.

this small quantities of aloes I to 4 grains or in the form of Heisa piera. If the appetite is not good give 8 to 10 grains of Colombo with ginger syrrik. Lecally I have no confidence in conjthing. Only in setneme cases will there he ary necessity for oping, or oplints, or in those which are rapidly progressing. In this case peeps a splint along the back and a boundage around the chin. About all pressure on the chest; atother a same time enjoin out olver even cise.

the clothing should be sufficient to protect from the vicinitudes of temperature. Hamiels or side shoulabe worm clusing the day; but we must not allow them to be slept in during the night. When worm so long they retain the secretions, became disagreeable and the effluois are realisabled. his should be avoided in all delicate constitutions. They abould sleep in musting not covered too varm, or the perspiration releases the syn, town, trustions must be used on the skin with a coarse towell or flesh brook. In the morning the partient slould take a satt water bath; the water must be saturated with satt. Shis is done heat by rubbing

the surfaces with a wet spronge or towel, then drying it, and using frections with a towel which had fre- winsh been dipped in satt water and dryed. The use of specifies is never sufferted.

Carries of the spine. This is very liable to terminate dangerously. It results from a slow inflamation of the livnes and membranes. It prequently follows blows on the part but more frequently extensely and theumatisse. Young persons or those about the age of pulent one very liable to it. It may be in the ligamonts or bones themselves, but more frequents in the intemestebral ligament; sometimes in the processes. There of the bones. The disease of the time is not all. When met. ter forms it may much inwards, press whom the spin nal marrow and paralysis will be the neouth. if this passes along the loins it forms the tumbar alseess; if along down behind the perstoneuro and un Con Pouports ligaments producing a fluctualing two moun on the fore part of the thigh it is then Cal-

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led proas abscess. There are the same as the cold alseesses which I have described, the matter travelling from the origin. The is an abscess in the thigh and trans from the place the matter originates, it is an abscess On all cases of isiflemation of there pats there is danger of neuralgie regidity; but if the biflow ation be properly overcome there is never this rigidity. Here is a pariful twitching of the muscles; if the timb be moved the latient experiences severe pain; the trees are pointed and if an attempt be made to walk he stumbles his toe catching in a crack in the floor. If this exist in one limb the other may very soon be affected the inflamation extending. This is the neurole gic paralysis. I love never seen the atomic paralysis until the neuralgic how been overcome. Here they never get well. The limbs are flacid, soft and cold and waste away. In the Garly this may be releived. When pain is conplanned of an pressure it is best to apply cups or beeches. It beeches may be applied to on each side or cups 2 to 4 on each side repeating them every 4 or 5

the second of the same of the

days. There can be no doubt but Totts remedy is a good one the makes an incession over the spinous processes, frome use blisters cutting off the cuticle | and then put are caustice potast. Some use tast, antimony outreent, some Croton Oil, but with these you will fail. The use of the Canotic potart is roomse than the actual Cantery. I frefor to make an incision over the transverse processes through the skin then taking solution of potass of Nithe acid to make any escan of there he any hemorshage use hint and a compress for 3 or 4 hours un cut down on the muscles. Then the even apply a poultice of it heal rapidly apply the caustic again and by thesen means heep the some running for 3 or 4 months the overcome the inflamation. By this treatment using losatives and keeping the patient at nest the matter will be absorbed. The bong edges will be repained and consolidated. By the time we have a hereone the comes we will have the matter absorbed . Then this has taken place it is unnecessary to continue the antipleo gistic breatment; we must mon give the tonics. Some give the dodine, but this el

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believe is too much the hably of some men. If this be given in large doses, it inflames the mucons surface of the stomach and howels; if in small clases it increases absorption. Alter the inflamation has been overcome in the part, wdere many be given to promote absorption of the matter; but if this be given too long it promotes absorption of the sound parts. I have known it destroy the testes, I knew the breast of a female almost completely absorbed from the use of it for 6 weeks. Give the chalqueate tonics When let with spasms of the extremites give the geinine and heep the bowels open, and this will offere releif with to impress upon you the difference between the two convitures. In the one Torrida, inflamation, and danger of parelysis. In the other there is never paraly so there is no pain, no inflaration on this, where there is no inflamation there is no use of leaches, cups or instation to the spine. I have know comes of this convature from strong diet and Continual exercise in the open air not allowing the patient to set or stand only for

he have to get the same of the same of the same of and the second of the second of the second of The state of the particular water to be the THE RESIDENCE OF THE PARTY OF T A STREET STREET OF THE PERSON AND THE RESERVE THE PARTY OF TH

of the bone; if we find convature with sichening pain, or pressure we know there is carried of the bone.

Morbes Cocarius.

this is a carrious state of the bones of the hip joint like casies of the ventebrae. The one a disease of the spine the other of the inferior octremities. There is first an lengthening of the limb, after a while when the discharge is also hed the muscles will be irritable and Contract, and then there will be a shortening of the lind, I've one case it is longer and in the other shorter. If the part to loaded will matter, and there he serous engingement the limb is longer. But this only appears longer if use measure from the anterior superior spinow truces of the ilium we shall find the length of the two the same. The person vest whom the sound leg placing this in front of the other. His is only owing to a turn in the pelves. It is only in the latter stage that the limb is longer when dis loca-1: \*

tion takes place. In The Carly we have pain in the part, also generally in the times, and frequently in the andle. Thenever I and told that in a scroppulous disposition there is a disease in the knee of always examine the hip. of see Julness in the pert of them suspect this disease exists. The way to astertain is to make percursion of we strike on the knee we can tell if the appart part be inflamed; if the bottom by striking the outside. always strike in several direction. The patient will always flench if there be enflamation. the treatment is the same as that for the chiserne of the spine it is a slow reflamation attended with a dichorge of saropheloes matter which travels down the thigh. It never points at the hip but always in a nemote part. The most breat by nest; if it be in a philds we must apply splints. The leaches, cop, and Comter issues one the part; the same general treatment for disease of the vertebre. If the inflamation be overcome we may their are touces with out door exercise. A ply sician of Battimon has cut into

in a shirt

the capsular ligament of times successfully. I have cut into it in 2 cares where I proceived falmers. I run in the whole depth of the lancet and there cut into the capsular ligament with a history. I left out about 2 teaspoonfuls of matter and all the distantioned subsided, #

Lecture 26 the December 13 th 1842

Famful affections of the head and spine. Of there
there are two leading forms.
The one is a cincumscribed but external recur
pying a firstine of the peophery of the body. This,
being confined to one side of the body is called Home
icrania; not passing along the nerves it is confined to
the side. This is almost universally exibited on the
shalp in the fibrous membranes; sometimes it went to
mesial line.

fever it is of lettle amount, and will leave by ac trung upon the bowels keeping them open. It is only when the pain lasts long that there cases come under our treatment. Many are

hops to as small a space as that of a half dollar or bank note, and there come to as weshing some dread ful operation to be performed upon them as that of dividing the scalp or scraping the bone.

By ascertaining the plann we complete condition of the tystem accompanying the pain we cam generally effect a cure. If we find a shewmatic affection we would use antiphogistic remedies. By depletion laxatives and perhaps counter invitation we come money cure this. I never think of performing an operation when the pain exists with when ma-

Men this is periodical commonly regular in its period , occurring most frequently at g or 10 oclock en any morning or energy other morning. I treat it as an intermittent. I clear out the primae vice and their give the book. The best form for giving this is the sulphate of Quinine; of this fine from 5 to 20 grains in a day combined with colombe or ser-pentania. This treatment with a well regulated diet will care nearly all there cases.

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· Sometimes the pain is met with where there is inflammatory excitement like an inflamatory intermittent. In othis care back would do hadre in the beginning. Here we must bleed and give car thaties until we have subdued the arterial excite ment; remove all obstructions in the bornels and correct the secretions. Then this has been dones we may then give the guinine in large dores. I have a care of 16 years standing carried in this way giving 20 to 36 grains of the Luinine in a Sometimes we meet with it in initable haba dry shin, a dry tonger and a drying of the reactions. In this care we must treat it as ne treat the sortable form of ague. Here I give the arsenie which acts like a secrative allaying the asterial executement and insitability of give of Towlers solution 6 to 12 drops 3 times a day, It produces an oily perspiration upon the skin, and sestones the secretions. His overcomes asuptions as me have frequently seen by its afterative in-

6. the state of the s pression; it makes soft the pulse and in this way

On very severe cases, where there is an abotimate, danting and distressing pain over a lerge sum face, and the patient almost in fits me may goe large dures of the assenie. Here I give 20 to 4a drops 3 times a day with some aromatic tincture as that of lovender or poregoic which prevents gastrie distress and nausea, By this I have over Come distoessing cases. Over and over again by an senie I have owercome them. I take of the chays tals of assencers acid 1/8 to 1/4 of a graine in piles with opinion. The dore may be repetited from 3 to 6 times a day to produce some impression. When I do not succeed after doing the antiphlogistic treatment, lasatives, and consith instation a resort to an aperation and in this may sometimes succeed in releving the distress sing symptoms. In one core I took up fine afteries going to the painful part and in this way completely releived it. Over and over again I have affected ecores by taking up the extenses

where the same that the same that the same that the same to the same that the same to the same that the same to

going to the part; in the same way painful affect tions in the eyes have been cared. In other Cases the name going to the part may be cut a cross. In making the incesion we must allow the blood to be offered between the ends of the nerve to present them from uniting too speedily. It is a wonder this operation is not oftener performed, and I think the neason is that surgeons do not how the nerve which supplies the part. We must take the sensitive nence going to the past, It is not necessary in cutting this to make an incession two or threw makes in length, but menely running in a narrow listoury, oweeping it along and cut-Another operation is cutting through the scalp dividing ale the textures down to the bow reparating the perceranium from the home and allowing it to esepoliate. In several cures I have been Compelled to deparate this and heep who discharge for several months. the external parts are altered, thickened this is our

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only plan. Sometimes the lone is soft and thickened In one care of a patient who had an affection of the brain, concecting the had committed the unparda bone. Then pressed upon she would whowle and scream In this care I spread around the part basilion winter ment and over it Nitrie acid. This formed areschar destroying the parts down to the bone. This suppurated, grandlated and healed the operation being followed by a perfect cure. I seem the case of a more who received a blow whom the head in the next in Bristal England. The parts around the sear were indirected and hard. Her had a continual frain is the party when a blow was received upon it he had an efcleptic fit. None of the common remedies were of any service and I cut out the industra postion around the pear severy ale the nerves which were distributed to it. He had an epileptic fit during the operation robide lasted for only a few minutes. After it was removed the critating part being out off he Completely recovered; the pain left, and there were no

THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. way and a second of the second and the second s THE PARTY OF THE P The state of the s 0 D. The state of th 2 more efileptic fits.

In some cases a cone may be effected by ma
ping a coneial incision through all of the integer
ments down to the home

the reneedies for that disease; the sansaporille and quaiacum.

Lecture 27th. December 14th 1842. by agrociated mutt the other is frequent. a painful affection of the nerves. This mane is now given to alwast every kind of pain; even to some throat, pleuring and rheumatism. Strictly speaking it is a severe pair, shooting along the track of a sousitive nerve. When a pair shorts transproperly a neuralgia pain. The shorting pains in other parts it is not a neuralgie pain. It is confined to a morbid affection of the sensitive nerves, along the course of which there

. The state of the s

is a distresoning, shooting pain. Sometimes a universal pain is met with the which care I would Call it on general neuralgia. amined will the condition of the systems. If there les any constitutional distintance this mast always he corrected first. Remove all Rinds of derangements and by this in many cases a care may be effected. neuralgia. Men this exists there is a slow inflamation and thicking in the form of adlesine in flomation. This takes place in the newslima of the nerve giving nine to shooting pains along the course of it. When this state occurs in the marcular name there is a stiffness, rigidity of the murches, and loss of motion in the limb. Here by overcoming the rheumatic tempere-Went me may frequently overcome the neuralgia; The may heep the part warm and a secite action in the shin. He may in they care use Granville Miseture, which is composed of strong

A THE DOLLAR THE PERSON OF THE The state of the s the same of the sa

ag, ammonia, thong fineture of Camplor and vil of Horemany added together in various proportions. He la ammonice when pine is too strong to apply to the part the others being used to dilate it. We may apply this on a flammely, maistening it with the mixture daying it over and pressing it on the part, but never rubbing it. When the part is made red we have a sufficient degree of irritation created. It may be applied 3 or 4 times a day. He may use the broton lie or didine or any other gen the invitant. If any plethora exist let must be subdued by proper depletion. When we have subduced the rheumatismo we generally have of It sometimes arises with a. tospico state of the bowels, and obstructions in the hepatic secretions; this must be attended to. The must corrects this by mercanial alteratives, with out door exercise.

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cient actions of the shin, in which there is a dayvers of the surface; or with an herfette analyticos which are both sometimes causes of it, from the agraphathy of all parts. This sometimes affects the eyes, the obligatory never and others not being confined to the names of common sense.

This condition of the shin by proper attention to cleanlines; active displaceties giving autimorials in Combination with a desoction of some of the woods or should a desoction of some of the woods or should; by warms bathing or salow bath; and by warms clothing.

Sometimes the neuralgia is so obstinate, that of there means were cannot overconce it. We must then take the patient through a regular alterative course. He Common remady here is towlers solution, which may be given air dover of from 6 to 8 drupes 3 times a day; or of the assencious acid 1/8 to 1/4 of a grain I times a day. At the same time we must regulate the diet and give demalest drinks. the asserie will cornect the condition of the thing semore ale obstructions and cares better than any other remedy, the second carries In senera Cares 20 to 30 drops may be quen 3 or 4 times a day where smaller deres will not produce any impression. This renectly resolutionises the state of the nerves, effects a complete change in them and finally effects a come. Interever any derangement exists in any part, no matter how remote from the seat of the direase, that might in any may be produc-Many cares there can be no doubt dehend on marsh measmate. Whether it he owing

TOURS I WAS A STATE OF THE PARTY OF THE PART THE RESERVE OF THE PARTY OF THE

to effluria or magnetic phenomena (which is now very fashionable to attribute the diseases near marshes tof we do not know. We may think it is owing to a peculiar magnetic phenomena, the climist by mans of his Endionneter being unable to detect the differences between march and other air. It is said to be produced by putrefaction of regetables, but this they have never been able to detect. The intermittent forms are frequently produced from the same causes that intermittents are. Whenever this concer on every day or every othen day generally in the morning continuing through out the day leaving the patient free from evening until the next morning it must be assailed as an intermettenty.

There the paroseyme is complete we many give the luinine. This may be given in large dores; his intense cases from 50 to 60 grains a day may be given, whereas in simple intermittents we only give from 4 to 6 grains a day.

There the apprecia is not complete give the assence; this is a revolutioniser of intermittents;

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it oftens the pulse, corrects the secretions and maintens the ohim. In some cases often tonics may be given; the time, bulphate of copper, and iron may all be weful in particular forest of the disease. I have seen intermittents which could not be clecked by other sensedies, caned by the sulphate of box per.

formationes it occurs in a low prostrate and almost bloodsess state of the system; in which the tongue, ohin and reastrils are pale. After profuse discharges, cliasshoea or herorshage a feetient may (he exampled and present the state called anemia, lest in this it is not only a deficiency of blood in the wessels, first a small amount of the real globules compared with the quantity of serum. The serum in there cases predominates over the red particles. The system too is do in our insitable state; the newes have gained a predominance over the blood nessels, and when this is seen the pateent is in a distressing state. on the condition stimulants ( are injurie and tonics are injurious.

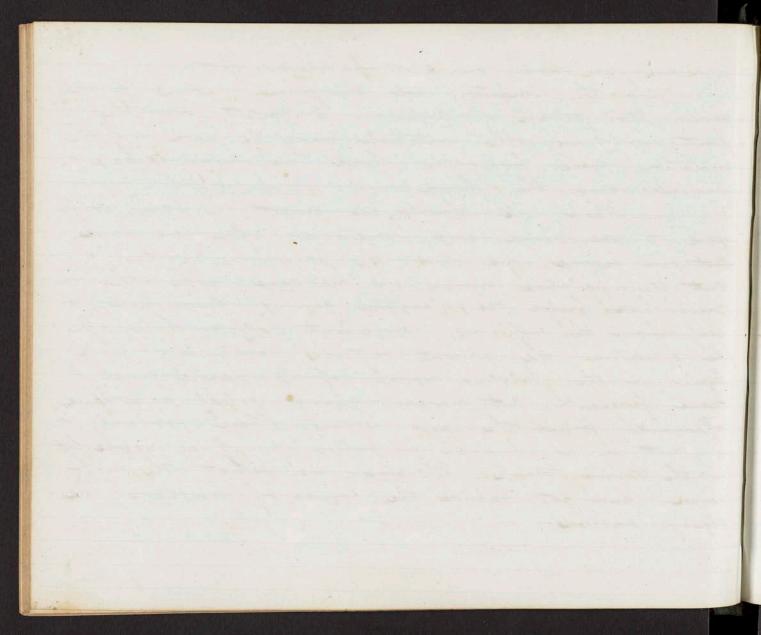
and the second s The state of the s come to live

on this state constante of inon has been given as a pecific for neuralgia. It is not uneful on account of any specific virtue in it, but on account of the pain ticular state of the system. It is now found that no matter where the poin with this deficiency of blood is. any oxide will prove service able, by yielding oxygen to the blood vivifying and purifying it. The Corbonate + of onon may be given in doses of from 10 to 20 grains 3 times a day; at the same line allow the patient digestible ford, and out door exercise. When initability exists, after we have corrected the deranged state of the system, and there remains not too much crterial excitement, we may When the patient is dyspetic by change of diet, air and exercise we can sometimes cure. If the patient lines in town a change may be made to the country; if in the country a change may be made to town. In this disease by removing all the derangement that exist in the system, roe

can care many cares without an operation; but in some cares we cannot overcome it, the disease remarning an indefinite tence in the part. The name or neurelino is then thickened. If irritation ex ist in the extremity or end of the name we oferate. This operation although opposed by many has gamed ground with all intelligent surgeons; but we are successful in 19 out of cases without an operaperation may be performed. We may operate when the pain is confined to a particular name. of the pain ship about from one side to the other, and from one part to assothtion, which is the spice or brain. If this arrives from the sprine me them use counter insitation over the spine. When general neuralgia exists I have sometimes found a tunderness whom presmig whom a franticular acrtebre. Day after day we many frees along the whole course of the spine and the patient will complain of no pain unless

The state of the s 

pressure , be made on that particular shot. In this Condition we can generally care by outbring the tastrate of antimony outment over the forth; or some othe instation may be used. If the initation arise from the head me may ereate the Then we oferate are the pain Confined to me nevue; and sometimes after we have cut one name we find the pain in another. I cut the palatine nerve un one care afte other rem Edies had failed the operation grining immediate releif from the suffering. In about half un hour after the operation the patient actured sereaming with pain in the falatine nerve of the opanile vide. I have frequently cut nevues giving relief and have afternands found the pain returns. Here probably it is not in a branch or extremity of a nemal but in the main trunks. Therewer we select the night reme and gets behind the source of irritation we always succeeds.



Lecture 28th December 19th. 1842 Neuralgia. Continued. We must out off the nerva hetween the seat of insitation and the noot; if this source of irritation is out of reach, an operation is out of the greation. If for instance from a ficular of assistantion of the dura mater, within the Cranium, we had they bone acting on the 5th pair of nerver, we should have the pair shorting about from one place to another, not being confihed to any one filament. If persons come with pain, one day in the jaw, and the next in the forehead, an operation is out of the question. In order to decide on an operation we must have the seat of insitation so retreated that we may cut between it and the root of the name. - Dupra Orbital Nerve.

Their name comes out 11line the eye running backwards our the fore head. The pain in this aresare shoots over the age back over the forehead and head. This new salgia is sometimes conclined with a hemiplegia. It is sometimes accompanied with a sort of hemThe second secon 1

iplegia described by the patient as a cold shot up on some part of the head; others describe it as a flame applied to the part; some like a nail driven in though the integerment, hysterical females in particwhat office day this? There are a great variety given by faturets; some describing it as a rasping, some as a wice like pressure on the past. There we have the pain shooting up towards this hemieranie spot we have good neason to infer the operation will afford neleif, not withstanding the worst condition of the system may exist
at the time. I have operated against the advice of
aminest suggeons on a female, in which case the disease was of 12 years standing. They objected to the operation thinking it depended on the deranged condition of the systems, she having had, dyspepsia, fluor allows, menorshagin, and theumatism. In this care I cut the supra orbital nence as it come out over the forchead, I made I not an incision through the integuments only a small puncture running the bis towny under the ohim, cutting the asterny and nevals the astery retracted and contracted; there being the no

hemorshage. At the same time that I out off the nerve I cut off the supply of blood to the part. The operation gave immediate releif; the woman became hearty and strong and the pain never returned. In cutting this nerve I merely make aprineture through the ohim, carry the history over the name and draw it along under the this over the home severing the newe. He blood which is thrown out Coaquilates, heeps the ends of the nerve assunder; the part upon which the neme is spent, is numbed and the pain is checked. This operation is just as somecapful a that of making a long incision which is a frightful and bloody one, and taking out a portion of the nerve. In all cases of neuralgia on the scalp. I have releived when I cut between the initation and the root of the nerve. I have often performed the operation where the pain was not confined to the name, as atrial without success, but & would not recommend you to do it. This operation of cutting under the extegriment is called the movere sub Entances)

nerue attended with an inflamation and sometimes thickering of the lining membrane of the frontal sinceres. Sometimes we have sufficient with a discharge of a greenist. I chorous purulent discharge from the nose.

there cases I have comed the neurolgia.

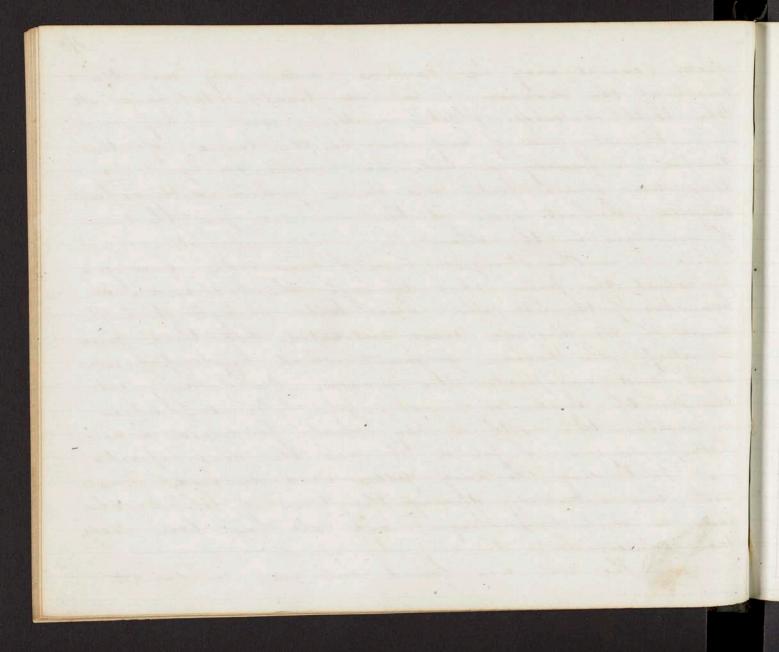
The next nerve, and the one which is thought to be most frequently the seat of the disease, is the continuation of the second branch of the 5th pair of nerves, This branch is the infra or listal, which, after supplying the teeth and other parts of the upper jaw, comes out of the infra orbital hole and supplies the part at the side of the nase. When in this nerve, we have a sharp, stinging, tickbing, litting, tittening and shooting frain, which is dif fenent from pains in the teeth. Some to relieve this out the esetennal branch only which closes no good. Ther and over again I have relieved patient by operating in the

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same way as in the others by the morese sub cutanes. In all cases in which the apper lip is the seat of disease this name must (always) be divided. I simply hull up the lip, pass the listowy up under it on a line with the first bienshid tooth, and there run the instrument across 3 or 4 times to insine secceso. If the artey be cant this will netract and contract, and the homorshage can always be stoffed by olight pressure. When done the parts are nearly and we have overcome the pain. It ot only is the reat of disease in the Ind branch, but most generally the first branch is the reat; the one that supplies the teech. Inflamation of the periosteum or substance of the hone or teeth may bring it on. The pain is irregular, sometimes shooting to the eye, sometimes to the back of the head, and cometimes to the base of the shull. By catting the infra orbital name we will fail look at the theth. Donne surgeons say all the disease sed teeth must be removed, but this is not the

facts heread may be carrious and only one the cause of the disease. It is had practice to have all the teeth removed. Itrike on theme with a key or oth. er instrument, and if any one he the cause of the disease a paroscy me will be brought on by it. I have seen sound teeth the cause where decayed teeth existed. I have seen a tooth in one faw the cause of neuralgia in the others The strangest Case I ever seen Ivas one in which the heine shot through the 2nd and 3nd branches of the 5th pair. Fine beeth, thought to be the Canre of the disease were estracted, dut this gone no neleif. The became progrant which heft up exceitsment and exasperated the disease. On looking into the mouth I seen a small shot like an alear I touched this with a key which produced a viobut paroseyon. I found it was the dens sapientie first protruding, looking yellow and diseased This had a violent passonym, and she has been well ever dince,

The root was found enlarged; no doubt



there was originally inflamation in the root which had findenced an ebelangement like exestores, creating esseta. trow which extended to the nerve. We may have a diseased tooth before it is dewelsped. Thenever you find a tooth in any way clongated or thickened, and if it que rise to a paroscyam when struck, extract it. on some cases local inflamation, thickenerg, or existasis of bone will lause the disease necesser you find a carious or necrosed state of the home always resure it. In troduce into the opening a small quantity of some noreotic to deciden the sew ribility of the name, this may be done by taking a anale quantity of the narcotic, morphia is the best, on a commels train penail trucking the parts. When this is de some laces el have found small the manalgia. In there cares we must cut out the old without dividing the neares

The cannot operate afon the appen jour, except it be cutting out a portion of the home for escastoris or necrosis, but on the lower fair it is different. of the teeth have been removed, and the reuralgia otile remain we may trephine the lower jaw, opposite the hole at which the nerve cuters, and take out a piece of the nerve. My operation is easier. I put my fenger into the mouth feeling the hourt of the ramus of the lower faw. I carry a bistoney along hetween the finger and home, then cut who and down across the newles. There is always hemorrhage fallow ting the operation which courses if the artery be cut entered timely across, and slight compression be made the ends retracting and contracting, I have had expensed out ficient to know that this peration is letter and not to bloody as the other. When the affection is confined to the low er lip we ofwate whom the come or it comes out from the jaw home to supply the life. I have open ated at this blace releiving neuralgia of the lower

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Lectures 29th. December 16th 1842 The Portio Dura many be conside ered as a messcular nerve. It comes from the cranewwo through the stylo-mastoid hole, penetrates the par stid gland, and divides into 3 branches, I going wifewands, I forwards and another downwards, which are distributed to all the muscles of the face except those of mastication. This nerve has been called by Charles Bell a nespiratory nerve, as also the glass-planyageal, par vagern and spinal - accessory verues. There being Considered superadded to the museulon nerves, were cel. led saperadded nerves. I have found in catting the partio duna in the removal of the paratid gland that he is mustakers and that it is solely a muscular nesul of the face. In removing the parotid gland which I have done entire 8 times, all the parts have been paralysed and Continued paralysed. They have grown short, and returned nothing but slight motion under direct imitation; but they cannot be excited to action by the will. Many have operated on the portio dura for new ralgia of the face them hing it a sensitive havie, and

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not beeng followed by success, they have blamed the operation thinking it uncless in all cases. Jonie still firmly believe this the seat of neuralgio, but it is menely a nerve of motion, and not of sensibility, and Cannot be the seat of neuralgia. In the removal of the parotid gland I have cut it handled it and pulled it and no painful pleusation was experienced. Many too think the glosso plangrigeal, portio dina and par vagum are sensetime never, list all there are muscular I have pulted, stretched, priched and even force the partie church, welkint patients being aware of what I was doring; but when we touch a sometime nouse the patient (will) will (sereak and) seream from the senere and shorting pain. It is true that we find the branches of the ports dura entermingled with those of the of hair, running into each other, but why this is so we cannot tell. In. geons may have been mistaken from the fact, Infloring they had a branch of the portio dena and at the same time he taking with it a branch of the Sth. pair. The diseases to which this neme is subject ( is subject) do not present the same phenomena that are observed in diseases of sensi

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time nerver, If we have a swelling of the paroa shoumatio affection causing disease of the news the Consequence i, not pain, but the marches will be faralysed. There are 2 kinds of faralysis in this nerve the same as in the esotremities. he may have the atonic paralysis, in which the partient is not able to more the last; the check droops and lishs flably, of we have pressure on this newe from a tomour or Concassion of it from a blaw, in many cases we have the atonio palsy; the cheek droops and loves its time; the palpelice muscle hangs, the patient cannot close the eyo tight, if closed at night with his fingers, it will stay shut during the night; he connet raise or more the lip, all the murcles, depressors and elevators being supplied by the nervo; indeed all the number of the face one supplied by it except the temporal massetw and other of mastication. It will the treate muches of the ear; before the newe is out the patient can more then, but after the cannot. Whether we have the atomic or neuralgie paralysis of this neave, it has nothing to do north

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pain and no speration is indicated for it. In the paralytis which results from blows; we must be aware of inflamation, consmuch as the atorie may be converted to to neuralgio paralysis. Some have thought strength was regimed, graphying stimulating epiperations, and using stimule internally, to rouse the nerve, but if it arise from Catanib and we treat it in this way, me are aft to set up inflamation in the newsilina of the nerve, and there we shall have the neuralie When we have the atorico paralyris the muss Cles have a different action drawing the parts to the offerite side fromaing a homile expression of counternance; in the neuraljie paralyons they are conside to the ofposite tide only in a thight degree Depletion, alteratine and deaphoretis are neguined to overcome the neurolgic rigidity. the much are stoff neged, and unjuelding from pressure of a turnour, when we remove the termorn, we have the atoric paralysis; this is what near onlt from the operation. The muscular relaxation is not accompanied with distanción of the mennile

To with the 9th pairs of nerves going to the tongue, 1

The Minal accessory of Willis. I um satisfied that from instaling this never there is no pain, but by a legrened amount of power of handling the shoulder, then I lat this nerve in removing tumours this is the result; I have cut, pulled; priches and priched and no pain was expenienced. and so will the new way um.

Neuralgia of the Extremeties. There are all supplied by the Compossite nerves, which are made up by the anterior and fertucior roots from the Opinal Marrow territion and January the plesens. There we blended together forming a composite nerve, any instation at the root offects both. He have thermatism it good resulting from is-netation to the comparedo fronts. I have seen cases of contation of the opinal column, in which if we fineled and handled it we produced willent pain and opasmodic twickey. I've all come where we have

a composte name, we may have sparme, neuralgio registity and a painful afflotion of the merue. he often have only one root affected. If only are farciculors is affected, as in alonew, the patients is not arone of the snotions weless he pay attention to them as other persons do. And trice hersa, if in the root of sensitive nerve un will have pain only. In the component nerves going to the Setremities we have a separation of there different file ments; the muscular filaments are gradually examsted. In the leg, the sensitive filaments alone remain with the wena daphena the muscillar filaments leaving it in the thigh. In the parts below from thickening of the neuvilience, we may may have a stinging, beiting thootthattion following blows, writation Inferioring we may have neuralgia in this. This is the way in which me have neuralica in the extremities; after the mus-Cula felaments here deserted me have neuralgia of the sensitive extremit of a component news, du there diseases of the lower and after extremity in may give of verationa, using 6 to 10

grains to 3 nates. 6 to 10 drops 3 times a day. I have found it a very effectual remory in memalica of the extrenities and of little use in neuralgia of the higeneinus. It with Colchiamo; we many offer succeed withe extremely are very rarely in the face After we have given internal remedies, tomics an a weak state, somesties in an invitate state on stated and have falow, the same operation many be perform ed upon these no upon the other nerves. We cut under the ohin, along the Course where we know the weree must nun, and sever it; it not being necessary to cut out a piece of the neme as the old surgeons did. No ends will not unite too Doon; certaps not for 2 or 3 years and never Completely. It very rocky according to my absentation comes back, if the mesure be Completely divided, and when it does, it is generally in another nerve. Then we cut out a portion it sometimes limites. I know a care, in which a portion of theneson has out out come the fair returned after logours. I out the nerve again with unmediate relaif. I have been consued for merely onthey the name; but it

pletel. Lecture 30th. December 19th 1812.
Diseases of the dinuses communicating with the cavity of The sphenoidal sines, lying in the substance of the sphenoid bone, just under the sella tunsica, communicates, by an opening about the sixe of a quile, with the cavity of the nose at the back part, directly apposite to the superior meature. the Superior Meature. Ethnoidal sinuses. Of there there are 2 orders. The posterior Communicates with the upper meater; the anterior Communicates with the middle meatin. The Maxillary Sinces, in the superior mexcellary bone. called Antrum Highmonianum, Communicates with the middle meatur of the nove, just under the hanging part of the ethmoid bone. Frontal Sinuses. There Communicate, along with the auterior ethnoidal cells, with the middle meatur. There sinuses. all nun into the appear and mide

dle meatur of the more, and are all alike lined by

one common mucaus membrane, which has been called pituitary or schneiderian. He must look at it, not as a musous membrane alone, but as a musous and fibrous membrane, being composed of the knowmon mu-Cous membranes and the periostermo which comes the bones, the fibrous structure is thin, though strong to give strength to the bonnes; the mercous membrane is thin Covering the whole of the fibrous membrane, Altogether it is to be considered, as being composed of fibrous and mucous membrane. The all know that after sudden vicio situeles of temperature, we may have inflamation of this membraned giving rise to what is called a Ca-tarsh, which may also take place in the living menitione of the Homas and bowels, in the vagina of delicate females, and in the whether as is frequently. been in boys. When we have a cataook in these pasts it is attended with a discharge as in common latanh affecting the more. there diseases of the cavity, which are frequently seen occur in various ways, during the first in vitation the parts are dry, the secretion is deficient, the

the same of the sa

capillary nessels are contracted. I lowing this the reesels he Come extensively engarged, febrile architement results attend ed with rain in the forehead. In a short period if the excitement has not been moderated, or if the patient has used otimulanto, the first mode of releif is a watery discharge which continues to drain and drebble away. Inequently large quantities of this, when the patient lays down, will, from gravit, collect in and file up some of the sinuse; if the patient then gets up this will be buddenly discharged and Conce away giving sudden re-lif. If the summers of one side are filled, by turn ing to the other it will own out; if the frontal sinus he filled while laying down, it will run out upon get Nothing is required, for the treatment of the thate but gentle remedies, as the nessels releive themselves by their alundant discharge. of the riflamation be not mitigated, it may go on to produce a thickened state of the membrane, attended with a wiscid and tough discharge, This discharge being thick, may close the dusts and he retained in the Cavity of the simuses creating a great deal of instation

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of the mucous membrance lining themking The may then he convinced of an abscess (in the sinus), by the pain in the past with fulkness, and by the puffiners and engripelators blush of the outer integument. I not still overcome the parts will ulcerate, the mucous membrane will be detacked from the bone, and the hone will become canions, the past will Continue to alcerate and finally discharge externally leaving an Lugly cicatric and a horrible deform ity. If the occurs in ocraphlous persons, the time becomes ing carious, the discharge may continue for months or of the convertion of the part into) an abscess we active antiphlogistics; bleeding, low diet, largatives and a low temperature (the treg wired) When the insitation has been over come, we must restore the pasages leading from the sinuses, to do this we take a probe and pass it into thew, which may be done very easily with the whole of them. of a probe comot be introduced a syringe may be used; this may be placed in the middle meater of the

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nose and warm water thrown strongly up from it washing the pasts. it solution of the chloride of line or doda may be added to water; but in my hands I prefer the warm water alone, by which the obstruce tions com be washed out. By this treatment, with leach as externally, and covering the part with an emallient posttice of slipping elm, we generally get an without an peration. It is only in intense cases where we know carries of the bone exist that we sprate upon the frutal sinces, and Where we perceive a fluctu ation under the parts, to open the sinus a perforation or a common gentlet may be used, boring with the Instrument into it and there washing out the Carety will the syringe. If the caries is not in a scropher. los person it will be overcome and there will be noth, maxillary sinces. All surgeons have preferred food buy out one of the large grinders for the purpose of perforating this Cavity. The 2nd or 3rd from the back to taken in preference to the dens papientie, and of there the Lid is prefered to the third, using for the

The state of the s  spore of entering the could a perforator. The opening should be prot a small one plut one of good size, that the contest may be bet out though it. Castachian Jule. Inflamation may coming in the cavily of the lan; four which we may have an alseces; this may be followed by when ation if the tympanion and a discharge of the contents externally. If in Derophulous persons, with it, the bones are very aft to be carious. If it take place in the living of the Eustachian tale or middle car, patients are fielle to take the hearing in a great measure injured or entirely destroyod. In all laves where there is ear ach with throbbig and obstruction in the Eastachian take use defiletions; the tousils may be scarified or even removed and bleeding favoured with gargles of warm water, and the Enstachian tule may be opened. This may be done from the none or throat. If from the throat push up the soft palate and the opening can be seen; into which introduce a syringe and those up warm waten By this the may wash out the cavity, releive the issitation and permit the discharge through it,

t 

mastoid cells. There are lined by the same men brane that lines the other cavities, and in there, as in the others we may have inflamation, thickening of the membrane, or an alseess with an accumulation of matter producing swelling of the external parts, the home of this too is loable to be absorbed. These parts by a Clarine of the Custachian take many alcerate through. of have frequently seen persons with ugly cicatrices from alsocesses of the enterior through the integenments, from abscesses of these celes; Cells was necommended by the old strigens, but I believe this never need be performed if active depletion be used. pletino be used. To relaine the consequences of of fections of the car, as an absens in the middle Canity, followed by alemation of the tympanum and a discharge from the ear, we must resort to alteratives with belisters behind the ear. No correct the discharge injections may be used of a solution If the chlorides of lime or soda I part of water to 3 of the chloride, throwing the sele with a syr34 A P

inge. Every 3 or 4 days a volution of the nethate ped into the ear. This must neach the very bet rect the discharge and cicating the parts. I sometimes use the citime outwent with knewsote. By there applications, if the home he carrious it may be otimulated, granulate and l'acatrire.

Lecture 31 st. Decamber 20 th 1842 Jolypi. Tolypi are not confined to the mu-Cons membrane mot britte throat, but are found in all the passages that have a common outlet, as in the literes, fagina, and sometimes, though vanely in the entertinal tike.

Inflamation of the musous membraine of the nose, as stated, is first hear with dryness, a serve of weight, fullness and nigidity. If high stimulation is avoided in this state, the wessels give way, and the suflamation is attended with a thin, serous or mucous discharges; or in the latter stage supporation with a puralent discharge by which the nessels are releived

and the inflamation overcome. Sometimes, as John Hours tu has clearly shown, there can be no dowst, we may have sound pur from a ruceons necubrane. This takes place in ordinary inflamation of this mucous nembrane; but if me have an escatted degree of inflamation, the messels, insteads of releiving themselves by a discharge will throw out lymph constituting the dry or adhae. time stage. The mucous membrane and sub mucous cellular testure become this hered from the effusion of lymphi; the mucous mendrane is thrown ant by the lymph, into which lymph reessels shoot forming a polyhus. Mucous membranes require a high degrece of inflamation, but filrons and serous membranes will unite by adhesion from a low degree of inflamation. macous neculranes orderarily from enflamation do not adhere which is a wise promision in nature, as by it, the natural passages which should be kept open, would be abstracted; indeed adhesion is the last thing which occurs in them, and is only the nearlt of an excess on high form of inflamation. At is in this way that polypi occur the inflamation terminating in the day or adhe-

ine state instead of the supportative. The mucous membrane becomes thick und loaded with lymple, into which reesees shoot, organizing it; yet it is possessed of only a low degree of vital power, the memhave resembling the while of an ayoten instead of the ned and injected appearance natural to the nose. We sometimes have these polyfi in the threat. After quinay this i lymph is sometimes exceled the patient whom rising in the morning will find himself almost sufficiented, and if we look into the throat me shall see it perhaps the a large yoter. The lymph is now merely exaled on the senface, but if left bee for a short time vessels will be seen shorting into it, and if left for several days it will be a pol-

By active blood letting, and the application of stimulating letions we may destroy the umin of this hymph. By active blooded letting, purgatimes, and autimorials to produce relacation, we may Theredity overcome the inflamation, cause explication of the tymph and in this way get mid of it. If let be for some time it will have to be cut away

or destroyed by canties. When in the mose, polypus generally nesults from several catasishs or from blows effecting the membrane causing inflamation which is not releised by depletion; the patient passes into hot and cold air, leves stimulating food, and, as is customary in cases of colds for the purpose of driving at out, uses stimulating dris his. Adhesine inflamation is exected, lymph is effered, which becomes organized, increases in size growing down to the middle meature and finally the lower meating of the nase, and from it time abstructing respirations We then have what has been called by wir ters the nasal round, but which is in fact a want of the national masal velocations and nes on an el. he are but generally consulted until it is in this last stage protonding down behind the throat where it is seen like a longe agoter, or as is generally the case coming front filling up the more. The general plan is to seize hold of twist and full there out with a forceps by springly homes. They then generally use stimulating spilin

cations.

tie or Jodine me may sometimes destroy the vitality of the part and course a plongh. If there be inflamed tion and fulness it is our duty to care this. I fut the patient whom low diet, negnose of borase or sulphate of Inio. Having done this I proceed to destroy the polypus. When about to remore it I examine the place and from which mea tus it comes. I have up a liberant seisons, get hold If and full it down a little; I find the attachment and with a blunt pointed bistonry I cut it away, I then burn the point of attachment with caustic, or in peet a solution of "it into the more every 3 or 4 days. By the treatment it never actumes, Then the attachment connot be got at I pull at the tumour getting away as much as postible, but avoid bringing along the bones, I there inject stylities, borase or sulphate of inow and then use courties, the lunar Cars tie may be used to to 26 grains to an ounce of water.

When I cannot get at the polypus with the forceps I introduce a double canada. I rum a wire through the tules drawing it up to a small loop; then pass it up to the front of the tumour and push out the wise enlarging the move. Then direct the patient to below the nose; by this, the tumour will be forced down by the air, and the moore may there he drawn being slipped around it. Having Canight hold of it we pull and twest a little, and frequently by this get away a large mass. Therewer high up or for back this is the hest plan to remove theme Another way of nemoving it when the polypus is for back, is by means of Locks canula which consists of a watch spring instead of a naire. the spring with a hole in the end is held in the single Canalas, which is paned down the inferior part of the nostril, back into the throat behind the doft palate where it is seen. He pas a string through the hole in the wire, having attached to it a wad or plug of lint or sponger sufficient to fill the posterior names. The then full this plug forward against the polypus which can be seen as we draw

fortunding and by continuing we generally remove it entirely. By this I have frequently succeeded in nemoving large polypi. there is no need of a canula for asmoving them in this way; a common round iron wire dowbled, may be parsed along the inferior meatur, and may be seen projecting into the throat, to which the play may be tied and arown through and the termon removed, He same thing does for tremendous hemorshages from the nose. Bift the use of tostrate of amtimory, blisters to the back of the neck and cold ap. plications to the head with the plags in the back of the northers and others in front we generally sneed after other means have not. After I have introduced them for hemorrhage I place my fuiger for back in the mouth and force the filing front and by these means have always succeeded. The polypi mentioned are not the only ones met with in the nove. We sometimes have the malignant and fungas Bind though very ravely. there rescular or fungus turnown grows

The State of the S  they are fleshy vascular initable and liable thered and produce timefaction and initation of the external parts.

former and to excise them is very easy. We ent away away the whole mass with the attachment, which is sometimes home. There almost always according to my experience come from some of the sinuses.

Being almost always seem in serophelous or lener phlegmentic temperament, it is 10 to 1 lent the discover will not extern.

Lecture 32nd. December 21st, 1848.

Distortion of the septum of the nose may be mistaken for polypus. This septum is lined by the Common mucous membranes from Chronic inflamation in which, occasioning no sensibility, we may have hypon trophy; from this increase in since we have a distortion, sometimes to one side pressing on that side, this increased thickness pometimes looks like a wasty otructure. It was there is an increase on one side

only, and sometimes on both sides. The side which is increased in thickness becomes obliterated, the patient breathing through the apposite; the speech is of feeted with a lad masal sound; these is commonly irritation on the dilated side and drynes from the parage of air through it; the whole head is affected will gravedo; the patient cannot hold the head down emlen he he affected with quiddyners and great determination of blood to it. To relaine this I cut away the distorted and thickened portions. I open the northick by pulling the also masi to one side and then pass in a blunt history, fwith a sharp pointed one there is danger of authing the ofposite side / num it through the septum on one side of the distorted parties and then out around it, taking it out. The bleeding which follows neleines the isnitation and all the vascular engargement. The edger may then be touched with constite. By this operation the external distortion of the nove disappears, and we have not only cased the disease but also the deformity. This hypertrifly in the septem always courses chistortion of the more, and the operation is a very efficient and

perfect one, Enotachian tube. In introducing a syringe into the Enstaction take, we take one will a long point. The make a slight carno in the point, enter the none with it heeping the concavity externally and the Conversity to the opposite side. We par the take hack theeping the point discotty opposed to the external wall of the infonow meature until it enters the tubes; the only danger hies in its being carried too for back. Obstructions Can be overcome by the passage of the tube nearly of tigh as the car; to one come obstruction in the balance of the take a stream of water most be thrown up. This should not be thrown who in large quantities at a time, but only a little spirit, then intermitting for a short and throwing of again. If it enters there will be a roaxing sound in the ear; if it has been forced down and entered the largner the patient will gag and Anygodala or travils are situated over the comin of the Os Hy aides in the fit between the soft anches of

There become enlarged from a vaniet of courses. After catarols, from repeated attacks of inflormation, they The process in persons who have had the secondary or papillary form of ucnercal in which the foints and her be mucose are affected, repeated attacks of inflamation of the throat, which produces an enlargements of there bodies unattended with wheation. on this case where in flamation assists in them en speration would be wrong, and from it we would have a profuse hemorrhage. (leconoling to my observation in this state there is no use of an operation. Veneral treatment must be resorted to; antifoligesties Low diet to; Lucisions may be made into the tumoun and bleeding promoted from it by gargles of warm water in which way sometimes I to bounces many be drawn. gargles should be used of an astrongent mature, as sage tea and honey or bonase; 3 or 4 times every day; the Imface should be toucled with countre every 2 or 3 mornings. When the inflamation has been over come by Constitutioned means the operation may then be closed. When from enflamation in a scrophCANAL AND REAL PROPERTY OF THE PROPERTY OF THE PARTY OF T The first the second The state of the s THE PARTY OF THE P

along habit, we observe an aily, pulpy indolent two mour, it is in a state of degeneration. The duets are obliterated; a pale, granular substance stands out which heeps up irritation in the throat and causes a difficulty of breathing and rathing at night.

present it may be first reduced and then the openation he tim performed.

this performed. The ancient plan of removing there was strangulating thou with a wire in a can alw. The moose is Carried around the turnour which is seized of it; if it cannot be seized it is put on with a for ceps; the wine is then drawn and the tumour entirely destroyed. This should not be drown gradually as was the old plan but it should be destroyed at once. The wise may be drawn as firmly as possible, also in all left to remain on for a little while 1-3-or 4 hours in in somme cases 6 to 10 hours and them taken off when the tumour will slough, When this has been done I sometimes cut it off with a seissons, but this is not often required as it will soon slough.

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If we were to cut there off when redness and was cu-land; existed, there would be great danger of inflama-tion and swelling. The way in which we now open rate in I cases out of 10 is to take hold of the tumour will a common hook as is seen in the chosecting, drag it back into the threat and then with a common hustonmy out it off. Some are scissors, but will there it cannot be removed if broad at the base. By the history we can cat off the whole or any portion of it.) When there are descared, and there is a secretion of purculent matter we only want to cut off a portion. I then new the probe through the holes in the torsil and cut through the part above it which allow a free discharge of the matter. Sometimes we have a foreign body in it which heeps who the irritation, in which case there is a comtimes this is some parties of the food, a fish bone or the like; I once seen in it the bristle of a touth brench.

Here foreign boolies must be removed. The many cases by cleansing out and discharging

the ducts we may care without removing the whole town ted for removing there. It Jahnestock of Lancot has hatested an inglinious instrument for this purpose, but one instrument well only do for one size; it will require if me are it, 3 or 1 tof different times to be kept and as they are very castly I would admine you to make are Diseases of the Noft. Palate. The sometimes must will a narrow feliforno dilatation and slender palato. This is merely a relaxation of the (lingue) membrane which projects begand the proper substance of the polate. At night it is liable to produce cough and symptoms of

night it is liable to produce cough and symptoms of strong alation from getting into the top of the largues. Chronic Hypertrophy of the whole palate is some times met with. If we examine it we will find the increase in thickness cannot be got off: it is not fill form but only enterged which depends on a love degree of inflamation. In this there is a folling down of the palate for the core of this are depletion and styptic

wale, from efferion of lymps are cometimes seen. which when large produce obstruction to nespiration. If all there the treatment is very simple. Jake hold of it with a blunt seissons and full down the weeles, ont catching it at the tip on ohin only, as by cutting only the tip sae may leave no many and imitated suface from netraction of the ling membrane that catel hold of the palate, taking a firm hold and cut it across leaving only a nipper like projection of hor is of an end in length; it is better this care to nemone too much about, always, then too little. I never knew bleeding follow only in one Caro. in which I took up the artery with a ligation rem-In when the tomoils bleed, we may introduce a common hook, (with will we hock up the bleeding , surface, Can-Tying a ligative down and around it. It is never new cessary to me but wow

Hanula. This is an encysted tumour like a vesicle the sac Containing an inspissated fluid, and generally the Dalinary fluid, setuated in the mouth or throat; in books they are given as being found under the tongue but this is not the only places I have seen them as prequently on the lifes as under the longue the fluid collecting which ought to be discharged, from obstruction in the maniperous duct, reaching generally the size of a haselnest. There are sometimes found on the longue from obstruction in the lingual, ducats construes the size of a pea or partridge egg. In one case I saw a longe randow on the wide of the check from obstruction of the Otherwaran dust. In all cares it is proper to escene all the prominence of the turnour. Page a hook ento it and with a history or scissors remove it opening the sac. Nait a day or two them touch with a stick of canotio, by which it will be stimulated to contract and acatorine perfectly and the disease is overcome. of them he too much fluid in, as it is unspissated Who the white of our egg, nash it out. Nome remove the prominence all around, but it is

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only necessary to cut off the tip or puncture it. Lecture 33rds December 22rd 1842 I mited to mention in speaking of Banula, the definite which is sometimes seen, and which is in reality a Calculous deposite, in some of the ducts of the salieary takes; and sometimes in the takes of the tonsils, and which are the result of a secretion in the tukes from enflamation, attended with a depasete of phasphate of lime, miseed perhaps with small quantities of Carbonate of line and ammonia. The bladder has not only calculi coming from the uniters, but also calculi formed in it from a marked secretion of its coats for ming the phosphatic Calculi. From Chomic inflamation the Coats throw out a gelatinous or muco-purulent matter and the stone is secreted by the Coats, and is not a deposite of sediment as said by some. So in the mouth me often see tartan whom the teeth, which is not food but a secretion, from the gums from chronic inflamo. tion of the phosphate of lines. This deposite is found in the exalent duets, and the duct of Wharton, leading from the submassib

lany gland is especially liable to chronic inflamation and frequent object to the duct of themo; and sometimes they are met with in the balial glands. The fluid being discharged from the duct of Wharton against gravity, allows this de-

have a return of this disease, but whenever I have laid for the conal extensively, and canterized it there has been so returno.

have differencies the bones of each side, as I have seen removing separate with the life, living menthane, and anygas rovulae musele, which musele, though considered single is a double musele. Sometimes there deficiencies in the borry palate are only partial. Loft Palate imperfect. The hest way to operate for this is to use a common pair of forceps, and a common Carned needle with a ligature. We pase the two edges with a listowny; we seine the one side at its lower and back part with a pair of forceps, carry the his-

towny up a little above the augle, making it with the two cuts acute, and pair the edge down; and so with the other colge. Having done this we take a small carned needle with the fingers or forceps, carry it through both sides of the palate pull it out and leave the ligations which may be tied by the double or surgeons knot. In young children it would be difficult to introduce the readle with the fungers, as there would fill the mouth which is smalls in them me have an instrument for sticking the needle through the palate. We put 2 short, of a string, introduce I needle into the male blade of the tostruneent which is carried behind the palate. This ablade is drawn with the needle in it, which passes through the palate, the needle em tering the hole in the female blade which it completely fits. The needle is now in the palate, and the male blade is Justed back leaving it fast in the female blade, by which it is drawn through with the legature. The needle on the other end of the ligature is introduce. cod and carried through the other side in the same manner. We then have the two sides of the palate

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threaded and all that is necessary is to tie them togethen with the double knot, which may be done by passing the index fingers along the thread let the threat. two of these threads are sufficient for any polate. There may be left for 4000 days which time is amply sufficient, we may then corefully insimuate the point of a scissors under and remove thew. leve is no difficulty in cutting the edges of the palate for this operation; and when out they will unite letter than the have-lip. So in holes or ulcerations through the soft palate me may have the edges, and bring them togother. It in heso-baginal fistulo, I have cut the edges and introduced needles with ligatures in This way keeping the edges together. I have found it a very ineful instrument in all delp camities. In the deparation of the love polate, after the home life and soft polato have united this plan may be used. If this separation be broad, running as I. have seen it along the whole course of the lone, it heven can complety close; only when small. The voice always nemains always remains harsto and masal. We afford releif in this Condition by making

an astificial palate. Sake a gold plate, as this as it Can be for the purpose and Sufficiently large to cover the part, having a hole in or what I prefer a hook voldered in the centre of the upper surface. Then tie a spenge to the hook; thrust the squale springe through the opening in the bony palate. By the moisture the sponge well expand and faster the plato against the palate. This will close the opening and ne food or air will get though it, this may be used where there is an ilearation through the palate from veneral or other Course. Slight traction against the palate is sufficient. The plate need the nemoved only every 4 or 5 days to clears it and put in a new spronge.

Sometimes in Consequence of the opening we must use a plate of gold having a pair of legs going down or each side one to be attached between the teeth. There O A fit in the interspaces between the teeth at the roots. Two legs may be used when we wish to have the support of 2 teeth. By this it is held permanently. he gained by letting it project back a little to of pose the motions of the tongue

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Mechanical Operation for affections of the Oesophagus. Strictures These I will divide into 2 Kinds the space modie and the permanent. they terical females are particularly leable to a spasmodie stricture of the assophages. There is globes hys tericos; a sense of swelling and sessing in the esophages, querally about the situation of the thyroid gland , there is a sense of choking an abstacle to deglistation. I have found spasmedic stricture from Contraction of the circular muscular filres of the acrophages generally about the middle or lover part of the mech. When the fatient throws of wind or food it produces violent pain from lodging in and not passing higher than the strictured part. For all spagneodic strictures regulate the diet and give tonics; and particularly relevine (the opin nal imitation, by the use of tarbate of antemory outment or some other issitant to the back of the neck. This with a few introductions of the stomach take well Termanant stricture.

had I comes in which the stricture was awing to a grissly

No of the later of

Substance, the result of archesine inflamation, which I never Pould overcome, but in all others I have given relaif by the use of luner Canotis and bongues. Itrictime is generally attended with a dry and Contracted state state of the mucous membrane, a day state of the fances and top of the laryma; we will find. a leargie will hap the part with great difficulty and it is almost always attended with difitheritis; which if not overcome the stricture cannot be overcome. I insert a piece of caustic in a house, which will speedily detach this diptherets, when the natural seexction will be nestred and the contation mecome, down or tene grains generally we sufficient, and should be ruleked up and down the tube and then was her down with warm water. Sometimes obstinate Constipation attends this otricture, which, by introducing the courte, one coming the initation and restoring the secretion wille be coved and the lineds be opened.

The courtie may be introduced once every week thave seen this, distituities in the mouth, amous and wethere all there being covered with the white court.

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the appears to be a morbid secretion in all the masons membranes. In the form of stricture attended with this difficulties we generally have to rapply the caustic every 3 or 4 years.

Introduce a lunger, small at first, and grader ally longer, and it will course absorption of the griss talestance, occasionally asing the cours to on a catheter. I know one care where the bongie had to be introduced every mouth for several years.

Secture 34th.

Abstractions of the Oesophagus and Air passages toreign bodies. The idea of foreign bodies always hering in the air passages when death is produced by them, is a mistaken one. When lodged in the phague they are highle to excite spasmodie Contraction rofa the langua, the laige, spice of weat or other substance, particularly at the time a person is laughing or talking, may lodge in the phospy just behind the langua; it cannot produce death from absolute suffortion, but from insiter tion communicated to the language. When there is laugh and of suffortion we must not always think the body is in the language, for in lases where it

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is lodged in the lower part of the phenyma there may he suffection produced. Some have made incisions win the side of the tracker for the purpose of removing there, but it is rarely necessary, as we can generally get them out with instruments.

Ione are the prolong which is a small sprage on a sticked orbide dilates the resophages and pushes the for eign body down, if it be soft or dough like or make ay can paso, of short books or had or angular, lef this he got aside we can sometimes hall there up. When soft articles of food are lodged in the acoopinges this is a safe and effectual instrument; but if we thrut the fugue in to the throat and make the patient gos these come gon-erally disledged. I would advise you to avoid using the prohange first, as we can generally get them out with the use of the funges and forceps.

I believe in about all cases the bidy well be found in sight particularly if it be small. That examine the parts by right and if the body whe keen pick it aut with the figer or forceps; if at night and the light of a candle is not sufficient, al

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must defend on feeling. In this I would contion you against mistaking the prominences or affendices of the Do Hajoides for a foreign body, for feeling there, and afplying a forceps we may lacrate the posts. There being Covered with the Common mucous membrane, heing off. and smooth we will distinguish thew from strasp, rough or also know the natural prominences.

After we have cornica the figure and felt the phonyme, if not formed we may feel the longue, which will make the patient netch violently and by this perhaps bring up the body, never mind the retching or gagging as no harm will result from it and by reportat effects, it may long up the foreign bedy, In several cases I have succeeded in getting the Gody who by hola half how or more, there is a secretion of a tough. gelatinois substance surrounding it. If we have found the situation and fail of extracting it with the figur we can then introduce a forceps and remove it. If we fail in finding the foreign bo-

dy we must never force it down immediately. We then use the crane bill forceps with which we can pull them out when very for down. From the construction of this forceps there is no danger of taking hold on the muest hodies may be seized. Tens or substances of the kind when secred and drawn, turno in the growne formed by a union of the two belades of the force to, from which there is no danger of forcing thom into the halls of the aesopagas. When all there means have failed I hass down a stomach take guing drink of floreseed ten and difficulty of dighitation of always prefer using the stomech take, When we have failed with the stoneach take and not until them, I would recommend the me of the probang, I have know patients enjoyed by consujing this into the acropages with a day and hard opong. I never think of using it only when I know the body is ledged for down, and then the springe ment be wet and sufficient loft not to force the

body if a pointed one through the coats of the acsopages. Many instruments have been recommended, but the only but deserving and attention, is that of a mass of thready which is sometimes weeful when small books are lodged. Then fish hooks are fast in the acsopages, as sometimes happens, will a string attacked, nee may shill a limited with a hole in down the string.

Lecture 35th January 3rd 1843. Foreign bodies in the respiratory tubes In all cases of foreign bodies in the respiratory tube, we must always Combat the coisting symptoms before operating to nemous it. The ex-stences of foreign bodies in the tuke is always a doubtful point. I have seen cases in which the sparmodie Cough and difficult respiration exerting, and in which I had been told the children had been playing with pear, hears and the like; by depletony treatment and the are of demalcents there have fore of showing them to be cases of inflamation only of there parts. The existence of a foreign body in the respiratory take is always doubtful.

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It is the common opinion that when the body is todged as the glottes or small chine of the glottes that the person Cannot articulate but I have know Cares in which the body was in the tracker, and in which their was are madelity to articulate. Another thing which surgeons are ignorant of is that the bronelin al tules do not go of laterally but form an acute augho, the plate between the two heing called the palate of the lungs. Inproving these were off lateraly they thought a floor was formed an which the foreign bodies rested, and that it was thrown up at every expiration and then fell down again but newer extende the branchial tulo, But the foreign body may go down into there tules out of reach of the forceps, therefore in introducing the forces, and seis. ing a fody, we must avoid using force in pulling as the pelate of the lungs may be seized and town while the foreign body is in the take below. Joneign bodies may remain in these passages for an indefinite, time without their existence be ing susperted. I have a case in which a cherry stown todged in the left bronchie; by frepen defletion,

the use of expectorants and demalcents, the existing symptoms were overcome. His body remained in the air passage for seven years, when the symptoms returned and were then attailuted to a cald. Under the beatment the patient became meak and prostrete, in which state during a fit of compling he threw with cherry of the counted with a Caloantions deposite of phospate of line. He body became large from the deposite produced alceration and the hemorrhage will which the patient had suffered. Foreign bodies may Come inflamed from any cause being more invitable in this state, there bodies may then came suppairetion, become loose, und in a fit of Coughing he thrown up. If the glottis he in a relaxed Condition it may be thrown entirely and through the natural passages but if from during the cough it will be thrown up and then fall down again. By relaxing this part by bleeding the foreign body may heathrows out by the longt. I have over ad only again seen patients relieved by the use of evacuant and expectorant nemedies. The should attack the pathological Condition of the system and not the Cause of the discase. I never knew a case where there were neglisted in which the operation for the nelling had not to be for formed. He symptoms should be treated it if they parts, by proper depletion of the use of expectorate and demalest drinks. The operation is always an uncertain are as me are never time of the excistence of a foreign body in the passage: even in adults, where they have felt the body slip down our uncertainty exist. He are only certains when we can lay the finger whom, or see it in the tracker, After we have overcome the inflamation and construction in the tube by proper depletrow, if there he are wareare of the symptoms we may then he compelled to operate; we should then always state to the friends that by it me may only afford releif for a short time. By making the encision in the operation me always take aff the grasm of the glottes, the muscles he come completely relaxed, and the patient gots hetter, on inflamations of the glotter and fances this operation is ormetimes performed to processe a paliation and referent from the une

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gent symptoms. By the relaxation which is produced we allow the bedy to be blown out by the air in expiration. They are frequently blown ant when a free vol une of air passes through the tube. Sometimes by out. ting into the windfife in the operation, from the relassathough the natural passage. In this care suggest are not to be consumed for sprating, for if this had not been produced the foreign body would have seminored. In 4 out of 5 cases I believe the body will be thrown through the natural passage.

Lecture 36th. January 18th 1843. Sumours of the Gums & vaws. - Epulis. This arising from a defeat in the teeth, or a disease of the already. The some presents a gaggio , any ony and frequently a bleeding surface this by cutting any the teeth alueolor processes with the game. This bhoald be done with a strong well tempered scalpel, cutting with it the home, which in this diseased state, is

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soften than in the healthy state, If it cannot be remosed with a scalpel a saw may be used. After it has been removed the Cavity may be touched with. caristic of generally take the constito potast and quicklime to promote healthy granulations. When the cau-ity has sufficiented if I see my foints which are not sound I destroy these (again) with the caustic. When the granulation are healthy I theat them with huan caustic and pondered alun. When the home is ancolored the discaned appearance is similar but in discase of the home it is larger. Sometimes we have alsorption of or a softening of the bone a fungas substance occubying the place constituting the Oster forcome. There I might be mistaken but Epulis is only a disease of the gams and aluedie, and in this the bone is

the lines project ( ant) under the ohin the face is avalled and there is a general time action, the covity of the more is impeded; the tumour projects into the none from which there is frequently hemorrhage

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if me look in me find the roof of the mouth mondet being conner and not as in the natural state concane; in the loves the alvodor, nasal and check aspects are all absorbed the way to remove this is by the horribe feration of demolishing the walks of the autrome. Some, for this purpose, has the chisase and mallet which 4 annecessary. If the teeth are remaining I esotrat them and then rem into the cavity in 2 or 3 place a persona. too. Here may be enloyed to any extent necessary then brake any as much as I can with an exporator, inhoduced into the openings. I then can further ent it away will a saw, I . that I can take out the fugues. Howing done this I can then take away any fasts that lable suspicions. In this operation there is not much howomkage; as it come from the maxillang arter only it can always be checked. It is not as painful ter as horrible as the other. There is little paine with me cut the maxillary neone who the palients, shricks; this is generally sourced with the other parts and from this there is deldone my

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(If this disease he left though slow in) 225. If this disease he left though slow in its progress it is always some to destroy life; but by an operation removing the diseased parts, life may be prolonged for many weeks or ever years. I hemound there forts in a patient in 1824 and last year I seen the man; the disease had never returned. In author an case I removed the disease by dissecting out the the mucaus membrane lining the carity; the par trent remained mell for 3 years when it returned; not in the gain honever, that in the anche, . There I remove all the home I make an inciso ion from the commission of the lip white the malon home, throw tack the 2 flats on is to expose the theeks. Having removed the disease I fill the carity with dry that and bring the life together by means of the intempted rates . There supportion takes place I withdraw the tent. If it does not look well I stimulate the faste with lunar caustice or aluna The the parts have creatized, which they cometimes do not Fring - 4 months of they Consider the core well. and not while theen. The disease generally returns, but by the operation life may be prolonged for several

months or ever years. to larcome, resulting from a mortid neutrition onginally in the februs newhand Covering the home, that is performed on the upper face may be performed on the lover jand, the incision may be carried from the Commission of the lip on one side down to the throat taky up the small orteres which are cet, the with offer vine The majester musde many their her cut off the come turned out, and then disperted from the tongue. By this the linguels arteries will be cut which may be tred. There is no necessity for taky of the Constitute orter. He flats may then be brought agether by stickes and allhesing. Hamile trong will shoot up and the fants hear bearing thitte deformity. in one case in which I removed this bone for a true aste forcomas, the hateut remained well for I mouth at which time the disease netween the transher of the ears tid, which are cut may be tothem who It is almost always only necessary to take of the facials artery

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Cancer of the lip. This generally areses from pimples. sants or scales on the lip, which, being picked and pulled of from time to time, become of a scirrous heardness around perhaps; sometimes the part ulcerates Shooting up forgers granulations; sometimes we have a hand, orgid hind of chronic where of the lip. His is attended, with a stringing, pricking pain, called frequently landinating from the feeling, described as if Escharatics only exasperate this his case, It must be asmoved will the knife. When the disease does not extend to the glands the operation and the Cancer. Durgeons generally, count this away with a scalfel or scissors but I generally use a his. town. I have each side of the the pressed by and sistants to heef it firm, and prevent hemorshage from the Coronary arteries, then run the histoury through it, cut out on one side, the on the other, mathing it half-moon or exercutio thope. I then me a dry dressing sprinkly the surface with flow. When sephernation takes place, and this day seal

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of flow is thrown off of them apply a cerate of any parts look unhealth of track them with Canstic. By this the their will run up and the mucous menbrange down and the ports he cicatrised over. When the glands are not affected this is the best methods of nemoring it. The old plan was to cut down on each side of the Cancer, making the letter V with the 2 incisfirst intention. By this plan the lip books very well but from the force required to harp the edges together the operation is a severe one, to stick are used there Real up invitation and by this cause a return of the discase.

Lecture 37th. January 5th 1843. Moorbid Growths! There are morbid growth, not only in and on the bones lest on other parts of the body. In the bones there is a difference in the 2 names genew to the morbid growth, lent there is no difference in the character of the disease. These are formed you Choose enflamation in the filrows Covering of the bones. A growth of a cartilaginous fleshy substace with chord like white lines arining listo it, takes places around the boxes and by its pressure produces absorption, an abenation or hasting of the hore. This is the way in which they originate. They have been confounded with almost every discaso, The spina ventore has been confounded with Of tes sarcoma, and astes Sarcoma with spina ventoso. The one disease Causing a masting as paristing of the home they call, they call Osteo Parcoma. Spina hentosas is a disease in the Cancellated structure of the love enlarging the outer structure. Some have confined this to the lawer faw and fengars. This in scrapla. lons habits it is generally met with, after suffuration, but a muskaging growth in any home, filling the cancel the state of the s 00

li with a medullary soft reoldish matter of call spina hentoso, the bone to sof a Cancellated spingy otructure looking as if blown up by wind, the intersties being file led with medullary matter. This disease will alcerate, produces Constitutional critation, a Calliquative discharge and Carry off the patient. It occurs in bad cachectic habits. There be diseases in the faw bone which are not malegment, but medullary matter secreted from a booked neutrice resulting from the primary process of digestion, the blackle Coming de prome this unsound matter of neutretion take place not in nor on a bone but in other parts of the leady. Here seems to be points of attraction for this matter, flore particular? where aponeuroses, fascia, tendous or ligaments exist we have it thrown out in a soft unorganized streetiere. It may be luraod out like brain, being denoid of all cohesion, from which it has been Called encepaloid, med-dulary or brain like Cancer, in Contradistruction to periores or hard cancer? When vascular and bleed by the resaels distended with belook, then it is.

called hematides. This matter is thrown out distending the surrounding parts by increase of the deposite. It is always derrounded by a sac or capsules of the Colladar texture. pasite which sometimes take place in the celes of the Celeular texture. But this is not malignant, having lit. the difference from Common fat. The fatty turous her long to the class sarcometans. In differs from the deposite of fibrin which is sometimes met with, as in the heart; it in exerce the sine of the part. It is called highestrophy. It differs from the disease of the testide Called pan coeles, which is a fleshy increase only. On the home we may have along oulargement, cel Any tumour or enlargement depending on a defisite of lymph, is classed under the head of common thingments. But malignant tumours are the nesult of a deposthe body, and an doubt anising from any substant is the body, and are doubt anising from unbeauth dies ton. Menever we have a maps of hard or soft mate

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ter deposited, resulting from a mortid rectation me con-tider it malignant. We cannot check it by det or by courses of alteratives: it is true we can sometimes dimenist its sire by fraicions treatment, active Courses of isdine which from otes alsorption even of the Sound parts I have seen these tumous diminist by this treatment, but this is all that we can do; we coment effect acome; we cannot Cornect the depraced state of the Constitution. there is always a strong disposition in this disease to reproduction ( from the malegnant or morbid state of the secretions, When not bascular, the nessels not distended with blood, and not bleeding, it is called a simple fungue. But it generally does blead, Thew wascelar, the nessels garged wilt bled I when cut open bleeding frodesionsly, it is called fungers bornatodes. There shorts out from the opening a soft, spongy tumous, which is alternately slongling & bleeding, speedily destroying life. Then in Connection with a lone, it produces alsorption of it, and it is then Confounded with Osto Darcoma, I Consider it as dangerous, if not more or; then Oster Darcomo, being fatal from the Constitutionel

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instation, which is kept up, the frequent discharges from hemosshage, the colliquations dicharge and low heatic fever He toworn is not so dense and Cartelaginous as that of Osteo Sarcoma. I am Confident these tumous, which generally occion in tendors, fascia and aponeurous, when in Contract with home, produce also option of it, let ais differ. ext from oster farcomer, Aydateds one very aft to exect with fugue; there are considered by some animals of the lower order. There is sometimes in this fungus a namely of crysts filled with this brain like matter, soft and dought like. The feel is loft and yielding but not fluctuating fit feels exactly like an apple dempling tied up in a gum-clastic long.) With Common practitioners it is very aft to be mistaken for fluctuation and an alesces; but if careful in feeling you will find it doft and Hough like. Mistaling this for an adsees they are aft to practice it; Abthing would be more dangarous than the instation, which might arise, from a puncture. It will be followed by believation, attended with a discharge and napid growth, of a funges. This plans of functioning should only be practised when about

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to operate for the removal of the mass. And when it is purctured it should only be done to satisfy other patitioner, who have doubts as to the nature of the disease. This punctive should be made with a catarast meadle, or what I prefer a narrow larect, and obligne as directed for the Cold absenses. If it he an alocess, matter thous itself, if a cryst filled with derum this ohows itself, but if it he this disease we shall have a jelly (stained with blood) or an ichor Hained with blood, but more Commonly only blook. Then this is done the punature must be closed and the hand suice theeping the patient in hed, the way in which I distinguish this from other en tumours is by the history of the case, this begins mall and grows Hower thru an abscess there was no inflamation or no Contusion as in an abscess, But the best way to distinguish it is by feeling. Hold the palmar surface of one hand whom one Inde and tap whom the other. There is no undulation or have like sensation as in our abscess, but it feels goat I like an apple dumpling en agum-elastic hag.

CARLON OF SHOWING LAND OF THE PROPERTY.

Lecture 38th January 6th 1848. Black Fungus - Melanosis. This is so called from the Colour, and from this it is considered a defianato disease by some from the funger described but of consider it a variety of the same disease. There is the soft bein like matter differing in colour only, this heby like the pigmentum regarm of the eye. Sometimo there are seen small blue takendes, like stat under the translucent skin, there are small croidal takercles which wheerate and shoot out a fungue, then slongle, throwing out black matter. It pussues the Dame malignant course the other does, sloughing from time noved it is likely to neturn again and when removed a lud or 3rd time will again netwow, According to my observation it is the most certain to return of all the forms of fungas. But yet we are furtified in operating to procure a reprise and palleation and not a certain case. But when we see the me one not them justified in operating.

Fistula lacrymalis. The operation consists in removing abstructions in the ductes ad nasen nesulting from can tourhab inflamation. He may have an abstruction in the offer parts, in the small lacrymal dects, which can not be removed by an operation. The plan here is to remore the thickening by leading, bleeding if necessary, low diet and astringent applications of lunar caustie er alam and by nestoring the secretions. By this treatment geons say in all cases, This treatment must always be resorted to and the inflamation removed before operating. When inflamation exists the operation is alisund, The must not only carry and this treatment before, but after the operation is performed. . In sperating I introduce the point of the his towny helow the tendon of the orthograms muche of the times angle of the eye, maching the cet downwards. We may cut against the lone; especially when the Jac is not distincted with tears, roken were may Connect it into an abscers. Then we get lighted the dust build not use force in getting the objector in, as we anight departs the mucous men brane from the nose.

I fund the listory down the dust to separate the Stricture, and then introduce a take, Some people à take down and leave in permanently; But there is risk from Cataorh exciting inflamation in the dust, and the formation of lasse abscess, I prefer a prohe, with a butthe extremity, leaving it remains until uflamation has been over come, then with chaving it, and healing the opening in the integenment by covering it will a piece of adhesive plaster Themoval of the Deptum of the Nose. We cut and the septems of the nose when it produces deformity from enlargement or Hypertrophy, or when it keeps at chronic inflamation and obstruction in the nose. The Cold air Resp who instation and smaffling and in some cases I have have how determinations of blood to the head, giddiness and Convulsions. Scut through the septem then Cut ale around the mass removing it. Being removed the none falls into a natural state, and the part coatrins between the 2 Stare-lip. This operation, simple as it is, is fre-

quently emsuccessful. Whether it be double on single, san geous are not aware of the importance of cutting the freneme and of differenting up the commissione of the lips Then this is not done we will always have stretching of the lip, and force required to keep them in contact. Not only should the Commissare of the lip be cat but the definesson muscle - the defressor takie superiones the next thing is, in cutting the lip is to take Care to carry the buces come into the Carrier of the nose must singeons only pase away the life up to the fisoure (of the two By this it is aft to be imegnal and aft to fail he creativing.) After dividing the Commissione which you Can read if do with a listohing, you may then pase the edge will seisons on a histoury. Dome sangeons say with Ressons; the parts are lacerated, and do not lunch well, but if olars this is not the case, and I prefer them. He must pase away the tip to as to have it a litthe sort of crescentic Phape, cutting any more a the centre than at either end. By this me prevent a notal in the ends of the life, and by making a largar Durface prevent a shortning of the lip from

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Contraction of the cicatric, This should not be cat out have a nipple projecting below, which would have to be removed. A straight founted bistory may be used if shorp, but shorp seisons are the lest. Howing Cat the colges we then bring them together by the twis ted enters. reedles of silver or steel are used for this perpose, having a hole in one end lite which triongular spear headed steel points fit, and which may be drawn out. He common steel needle, with the spean point, may be used, where small needles are neguned, and the points, after they are introduced, may be broken off with a forceps Having pared the lip, we press the Coronary arteries, and introduce the lower medle first, carrying it from the artside close down to the mucous Arembane and deeper there the Coronaby arteries. It should be almost in Contact with the me cous me whome, and entroduced into the opposite light hold will the needles. By carrying them in deep we present the fluids from getting hetween the ody est it also prenents hemorrhage from the Coronary ar

teries. He then apply a thread, which stould not be too tight, wrapped around the needle like the figure 8. Havy made a few turns of the thread in this way, I then Carry it circularly around to embrace a larger portion of the ap. Having fastened the needle me their take out the head. We then issent the other needle in the same way near the more, which heing clone, of then carry that thread circularly around both needles, acting whom w lage surface of the lip. Dome use addesine strips between the needles but there keep the parts too moist. I always leave them day by which I insure a union by the (adhesine inflamation or) first intentions in 40 5 day, I take away the noedles. by halding the life will the fingers of one hand, turning & pulling out the meedle will the other, bearing the thread remain.

Cancer of the life - Theration for. Pas a listoury through the life below the concer from the inside, then cut out on one tide, then the other making it conscentic steape. When the glands of the throat are involved, it always necessary to take out a V like portion, making the two incisions always meet at an acute angle and never obtune, by which the dainger of sentiting is over Comes on performing this operation always beparate the Commissione of the life. By this we can carry the incision over the chin and down into the throat. taking out the glands and a part of the bone if diseased. Bring the edges together as in have life with mostly Stomach tabe. If we attempt to introduce this when the patient is lying in hed or setting once chair, we will frie, the instrument catching a gainst the posterior fast of the phonyuce and fances. The head must be pullet over the edge of the hed to bring it in a straight line with the fas dage, of me leave the fathert leave back on a chair me can introduce a probang or forceps, but in cases of paisoning requiring the introduction of

of the stomach take we must leave the patient lying on the head as we find him. If we keep the tought back and the head defressed me will never fail in hitting the passage with the asspages - By this et Cannot go, into the aglatis. If we wish to outrode co a tube cuto the largue, we insert a hook into, and full out, the tongues The fush the instrument along the inferior meatins of the nose, then introduce into the most the finger or a hook, soize the tube and introduce it into the top of the langua the can tell when the instrument has entered by the passage fluind through it. This is decidedly letter in many cases than the operation of language torny. Metalia instruments are sometimes introduced into calprits who are a but the lee tung, respiration being kept up (when hanging) through the tule.

Lecture 39th January 7th. 1843 Diseases of the Mamona. These are liable to a great variety of derangements. They are commonly divided into Varcomo. This is the nealt of a chronic eflamation producing an enlargement of the gland, which may be Coursed by tight lacing or belows, and frequently is Converted into an alices. If left unsuldred it fre quety suppresates and elecates. This in flamation, most Commonly, arises out of the duets, last I am Conom-Cod it may arise in the prammay takes, when it produces obstruction in them. If an absorpe excists when tapped carly, there will be a discharge of milk; if later, there will be a dischage of mut to and milh , if left still longer it enel be. Come an aliseer, which will granulate and heal as common phlegmonous aliscesses do. Under reflected attacks of inflamation, and offerion of lymph takes place between the milh tules producing air hypertrophy of the the organ the me have a flisty or save omation human of

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Under a generous diet, alteratives, sest and a fine air switt a Comprey and handage over the part, heaping int a genthe pressure, the lymph will gen-analy be alsorbed. If at time the chill is maky, it must be weared. Only in none Cases will Commonds landamia taes ealor generts Continues, being the result only of a continued adhesine infloration in the intenstices of the gland. The tumon is large and inconvenient only from its size. Here is no specif ie disease; no cancer, pointans, or medullary, in no scriptulars affection. The operation for remo ral is a senere one, from the lage some of the lamour, and produces a severe Constitutional Stock. And there is Considerable hemorrhage from the unales of ressels which are cut in operating. He must always award removing it by an affersation when we can, He can commonly come by al tratines, by generous diet, and by a mile regulato presume with a compress and handage, It is only when me fail in releiving by this treatment, are are justified in operating. When the tumour is removed this disease will not returns.

opecific diseases of the Breast. In one the are small tuler cles which may be felt beneath the shim, (and which are painful, lying between the mich take, Sometimes the same of a few pometimes that of a ful-lets egg. Sometimes no doubt these exist in the mille takes. Then I feel these long, not glabulan, and sound as the others, a think it is in the mich tales. When depletion by leaches, alterations largatines, restoring the secretions and Covering the breast will the Campborated mecanial plastes per-Iisted in for a sufficient longth of time; or the we of codine fails, it is proper to remove such more hid parts. For the purpose a pomale maision may he made and there pasts chosected from the Donad pents of the breast. mercincal alterations may be given to cornect the secretions, and carried to getty touching the fund; a well negulated persisted in , a to the Camphorated merecivial planter wed, reade of logis. of Camphor to los of Oisetment and ofenead upon a large piece of lanchothin, sofficient to cover

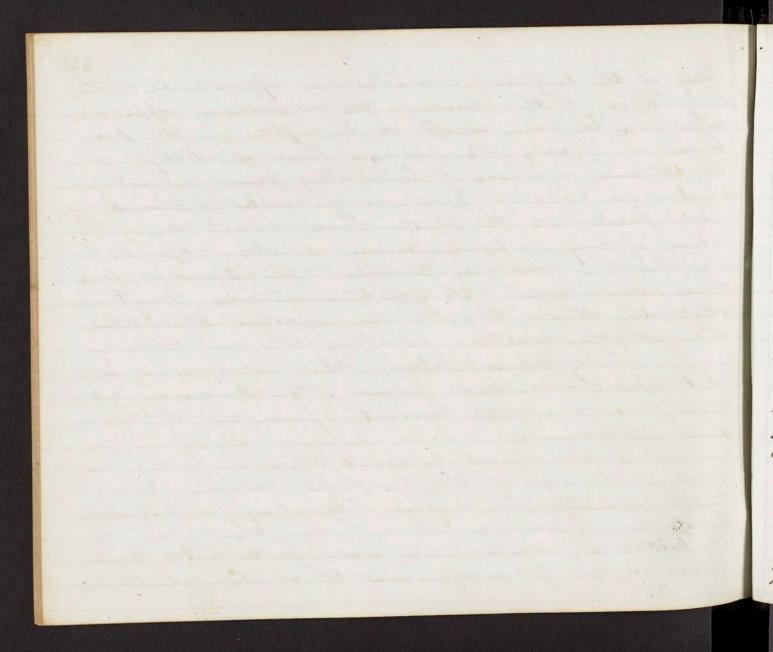
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the breast and extend 2 or 3 inches above and he. for may be superadded to this a broad bandage worn moderates tight for bor I weeks. By this we may mitigate the disease and frequents effect a come.

Of this does not succeed an incision may be made paraffed to the tumour and the diseased part diseased with

Geneine Ocimo Cancer. This is the most common chaser which affects the female breast. Wen cut into it seems like film Cartilage guilting & cracking under the knife. It generally feels like a hord metalie surface and of a metalie heaviness. The same face is livid and fumple and the nifefel netracted. After a while it shoots out a tuler enlars turnous are some part of the breast, generally near thes a glandular structure. In the the affection being of I indinated tumour setending one a greater or less surface, and accompanied with a derangement of the general health. There is amaciation, a show-

elling of the surface, a marketicus appearance. In the early stage of this disease, this marasmus appearace will not be seen, except it he rapid in its foregress , or in nery old persons. There is always in this disease a sense of lower ating pain, a clarting thousand or pricking pain as if needles or thousand were forced into the breast. There do not own in the Course of any perticular nerve ; Dometino apardo to the clasical : cometines imands to the sterners, some time downwords and sometimes outwards. Dometimes they run at one time is one direction at another times and the direction, I meting they nem obliquely The difference between this and sandoma is that it is harden and firmer than Dancoma. In Dan Come there is not the lassimeting pain, not the manas mus of exacting. In cases which have progressed further we find a tomour of the lymphatic wessels going to the arm fit. This disease has always a disposition to estand. If we trace there below the margin of the pectoralis muscle, we will find hand tense lives; and if we examine the ascilla me stall



find in it hard lumps of it has progressed futher, we have alcoations Donetimes the edges of the alen are turned out like the external fetals of a rose, from which it has necession ed the name of rose car car. He surface looks sed and lungry, and the flows from it a gleety ichon of lent not pus unless as small abscess exist in some party of inrelated it discharges a bloody senious color. On removing the breast for the disease we must alians semone the fat around, and alians include the arcola in the incisions, which are made Jemi elliptical in Otake. Orly when the skin is not disturbed, by when

ation, the fat around sound and the axillar glads sound, can we hope to care by operating. If the shirt has whented, if the axillary glads one discerned we came never expect to cine.

Besides the Deirro cancer we have this tumour of the Breast. of the breast. It is soft and dough like, feeling

like an appledempling took up in a gum clastic hag.) This is very aft to be mistaken for an abscess. Agatids. The sometimes have by detid copts in the manima; there are (considered) an animal grouth in the body, I consider them of the nature of norms they are the result of a marked deposition in the part. My non, he felt like lesses or balls in the dough like man of fungus. Ca order to induce me to perform the operation of am pulation of the female breast, which is the most horreble and disquiting, to my feelings, of any operation in Durgery, I require that the constitution shall be good, that there shall be no deranged Condition of the System particularly disease in with organs. The lungs must Le free; then must be no cough, no bronclitis he and accertain this by the can Itho stablescape produces a confusion of sounds;) and by percussion. The diease exists in the chest an apration is out of the justion, or when disposition to disease exists. If the extends dis-care affects to be a chonession from the chest, me will find whom removing it, the disase, fall on the

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chest. We must not operate in this case late or early. If we have chieve in the aldonew we must not operate If it cannot be corneted. If as here jacurdice, if we have a pale and aenemic state of the ystem, on we torfied state which we cannot correct; if an enlargement of the splean or pareress exist we must avoid the openof the chisere exists in ours anding fasts; if bith breasts one affected, if the glads in the grown are of feeted, on the liperoffected, we avoid the operation. The disease must be confined to one breast. Then the glands in the assilla are affected me must expect a neturn of the disease. When the flands in the assilla however as affected, and the disease has extended no faither, prowing that it is not for gone me may depart from the week In general the operation s'ou. by a paliatine on and not a cure. In 9 out of 10 cares the The most one hold out the operation as a paliative

Amputation of the Breast. In the made of operating Dun geons differ. I always made 2 semi lunar incisions, which ( shall always) meet at an acute angle, including between them; the areda, and the disease if it exto de beyond the axeala. Astly booker makes the incisions perfectionly lite I profer making them parallel to the filme of the fectoralis major muscle. I time the patient sitting on a chain, and prefer making the love incision first at which place we shall how little hemorrhage from the nessels, I prefer catting this deep defore making the other incision. If we have Riseared hymphatics: they well be seen. I always cont up to the files of the pectoral marche, I diesect home. The viersion shows is made in the some way. The leaving the surface whehered for 6 or 8 hours beforels. leaving it exposed entit the next morning, heeping it down and with which and water. If the glasseds in the axillar are affected the meision may be extended to them glads, removing them)

I use Hull's tous to enfiness bleeding after aperations about the neck.

with the breast. When they are affected me never remove the breast luticely, but home it hang, extending the dissection along the hymphates. Lecture 40th January 9th 1813. Jumours in and about the neck and throto Jumours Sometimes of a large since grow from the side of the trackers and the books of the thyroid gland, and and hakle to the mistakens for anewerson. Here Imetimes freduce difficult of respiration, articulation and deal dition, and determination of black to the head from leg abstraction, from the figures rains. Sometimes the body of the thyroid is enlarged, for which in one came I removed it. The have in this negion also the fleshy a lacometoes timons. The speations for the removal of these tumours , are the most dager Tamine towns of the things and going nine menely to a deformity, and of no specific nature are not to be remared by an operation In the Oliveane Called gritue I we larcatives, avoiding sudden passion of the mound, and esposere to budden unassolide

o when we operate for a foreign body - (when to introduce largogetomy takes The same of the sa 

of temperature. July, and bremon dortang or magnesia may be given. There are hatter than Jordine . On when the patient is desopholous must the leagues; in the of fale life of fale hours. They it exils will havenly excels ment this does injury. I we salt water waster which handen and Construge the skin.

Lectures 41 + 42nd Sancary 10th 8 11th 1843.

Grachestorny and Languagetorny. In the operation of languagetorny we cant into the tracker above the cricial cartilago, through the crico-thyroid ligament. In the operation there are only I small branches of the the roid anteny cut. He may be safely performed by plusocision whend down in the exicoid space though the existed ligament. He make generally the incesion frist whand down, over the cricaid cartilage, in the mesial line hetween the muscles of each side, " he hule there to one side, experenthis concord ligament, then cut through it transversely to a sufficient entert to enable in to thrust the take with the

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tracker. The pan in a largagotomy tube, and the it fast will take or strings of gion elastic, and then come it with a game to present knot and other Janeiga bodies being whaled. When we operate to prevent obstruction in the an trace and the hapage of air to the breat, from timours a large tousies, we pape in the take until he dispense or aconone there. This can remain al a fer hams, when we must take it out and clean it as it becomes coated will the succes secreted in the passage, When we do determed to introduce the langue. gotomy take, and afrate to semone facign Rodices, of make the lucisian of and down, I the litroclare a blant probe afrances detaching the foreign body if it be above and coming it to be expelled. If I find the congle excited by the instrument the loan is after to be wanted by the instrument of forces is after the congle excited by the instrument the loan is after to be wanted up. Who should nake I attempts. If it be in the bronchial tules it will sometimes

" Tie up veriols either asteries or veins before opening the tracker.

O make it about 3/4 or 1 in below the cricoid contilage.

he congled up. It is soldong that the body is Canglet with the forces. Persons are very aft to be mistaken in Deiring the palate of the brondia for the foreign body. by Julling which very great have might be done, the tracted ne make it for cample down to avoid the thyraid gland, " he make a perpendicular incision from which we may have a professe hemorrhage, and the thymes gland which come who the neck . The them make the incision into the tracker up and down. The language tony title is not proper here. I pan in a metalic tule bent to pass with lave, and then least again at top to one side. I frequently one ladies hooks, fixing them with the edger of the ofen ing of the day not keep it ofen with other things, I then pase out a fiece of the tracker. Oules produce inflation, course supposation and purulant matter to be thrower, an which account of believe they never should be used after adherine in flamation is exected. Surgeons are mistaken in oupposing that

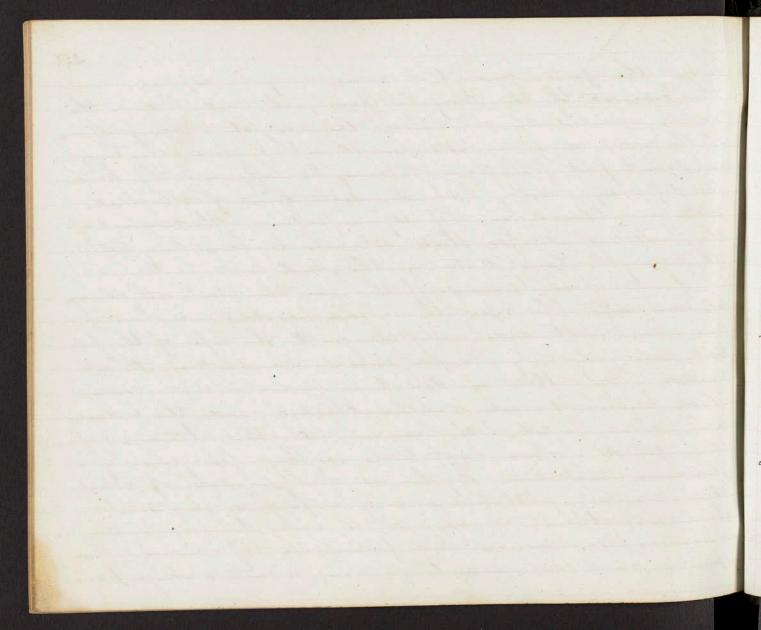
when the foreign body is in the bronchia, by cutting in to the tracked loss down they may read it. In out. ting here we are very aft to have a profuse homor Hage, the fast becoming engaged with blood by the Defrection Coursed by the foreign body. I have the few indage in one case prome fatal 3 hours after the opena-Throtiob Glando. he have tumous of the parolice which for duce tousin of the surrounding facts, with an aching pain which distray mastoction and which for ohnce a tetance negicity of the muscles from an affection of the posts diena. The disease is not tree scienter Cancer lesing unaccompanied with the laccinating pain, and it dies not project inwards. In anlangements of the paratid gland the tunoun presses as much woods whom the thoat as autuards, Here autor turnous only project outuards. There scirolo Concer of the parotid is very rare, I never hanny Dear more than I come of it. In the came it felt as had and grissly as irow; just as if metal has been possed in where the gland was; there was tersion of the personaling pasts indicating concers the karls are thagged in from around towards the tumour and tensely

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bound down, and when the tumour is removed from re traction of the hasts, the cavity is larger than the since of the man removed; and there was lancinating from In all the Cases execpt one in which I semoved the parotice gland the partie dura was cut and the face paralysed; the patients could not close their yes, but had it close them with their fingers, In the Case in which it was not cut, I found the part of gland though which it passed sound, from which of dissected it from around it. The name at this last was entirely explored and the face for the time became for aly sod; let when grandsteing shot out, filling the Court and sussand ing the neme, the penalysis was never come, surrecular mo. tim being nestoned. It; took place after 4 on 5 weeks the respels of the granulations and those of the neme mason late, His show, a great physiological fact; as that a nerve may be exposed along pert of its course, ad oftenands desinne it frations. When I was a young. Ingeon if a portion of nerve because insulated of an operation, it was always out daraps, from the opinion that as the nearly near town it hence could resures its functions but this afecation shows this

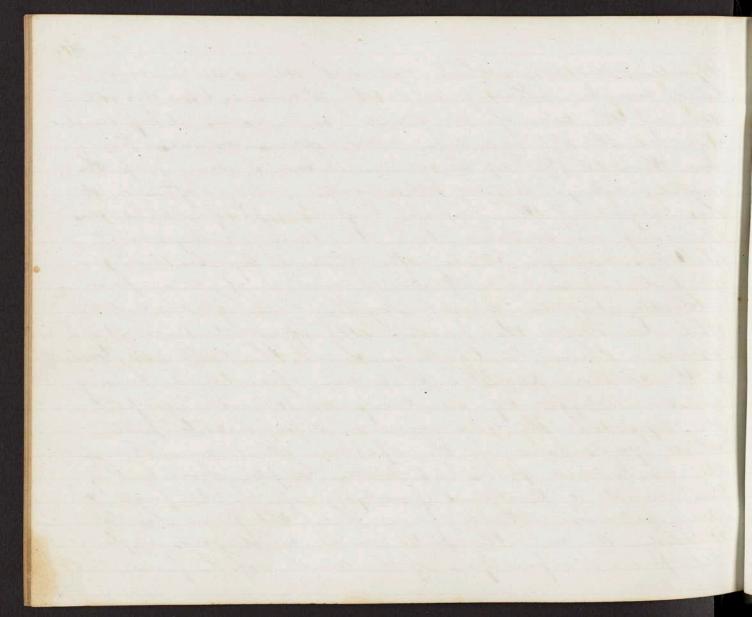
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a not the fact, and that names may be exposed, and the barts at the time may be paraly sod, and that as the of the name may be restored. The this name run though a some fait of the gland, it may be left, and the horri. ble deformity resulting from the destroction of it avoided. Not very tomore in this region require the nemoval of the partid gland, for those external turnous my hetaher any without distending the gland. Somet mut along be removed. The aprotion is a dangender and harard, and one is attended with clarger to the life of the par tient, and most only be preformed when it commot be a worded. By alteratives, l'excatines and low diet carers the regime removal can be achertist and the endurated natter he absorbed. Even in molignant times of this gland I have kept them in leay for your & regulated diet, alteratives and astringent garges of have lad them improve. It is every to perform the operation, De clariferon and formidable, of removing the perotice glade rohenever the turner is not makey pro-



To comoral of the Parotid Glands. I commence the in diseases of the partid, is always pushed out, and sometimes the cartilage of the ear is separated from the bone. I carry the first incision in front of the gland. making it semiliman. If only a fortion of the gland & diseased it is still letter to remove the whole don't through the paroted fascia. The cent is to be carried in front of the socia perotitis over the masseter muss cle. I reflect back the sactor franchitish and disthe socia ponotities. I cut though the duct of Stens reflecting the part of the gland in which it is seen lack. Then to avoid henorshage I make the posterior incision. I make this incision to the conterior I'm face of the massetu muscle, sopate the glad from the mundo volich is almost always attached; sometimes sogning the removal of a fast of the muscle. I loosen the gland opposite the posterior surface, they desper the incision, I can down on the cervical for. cia, and then heard for the Digartic and Style.

Hyordens numbele which we must always make our land month. Having made the Lincipion, we direct around. the area of the gland, and raise it up search. ing for the style Hy widers & Digastrices muches, Hamp som there I lift up the gland withen I howing up the carolid artery. We see the Carolid artery after it has given off the fascial lingual & planyageal handles. Sungeons are mustaken that the Carotid artery must off that we meet will it. I raise it up and pan a double ligative around it, the one high of and the other low down to prevent the recensent Circulations. Between there I ligation I cat the Continued trush of the external Carotid. It is now clear, and having no more difficulty we carry on dissection up to the Lygoma, The and narce is to aperficial temperal, which gives fain in the operation. His sens through to gland and passes up to the temple, from culty this never a continued family is of the temporal segive follows, which show that the gland has been removed. We cut the portion due which give no pain. but produces a paralysis of the muchos of the face,



Having cut there nerves and cut the arting it is a very easy matter to raise the gland out. Having down this, if the whole man be not nemoved, were bon now take any any granules of the glad that remain. he sometimes have a necessent Cuculation and hemcrolarge from a few male entering wheh are cut, I generally take there who when I maissaide the gland some times weeking of bland follows which it is difficult to sufpers. I have succeeded in checky this instantly by saw Instantive after other means had failed. Diseaves of the Chest. Sapping. The ald Imgers had an idea that when this operation was perfor oil the incision smust be made between the 6th 8 pt ril, at their cottopial, but we now purche at any place; wherever he have a collection of matter (seconts) as udicated by percussion and anceltation. The the nil, above the interestal space through while we pretime, as the alexenstale artery runs along the grown in the lover edge of the ril, and of. Justing it we night have hemorshage.

\* It is not necessary to cut deeper in the love that the internal intercestal mareles.

Resection of the Riles. This operation may be performed (2 it the please left entire as the nil may be dissectad from it. he cut through the carlilage (of the sil) near the sib, with a scalpel, grading last it exten the please. We then Cut down a the margin of the nil littlings the enterestal muscles and there cut through the nil at the part clesined with Hay's sanot. An clevator may the he entrocked and the for tion project of by this we save the trouble of chosely the farties out, by coating down on the please. In all comes of thomase requirey resection of the vila of have found the pleasa thickened and the nemones of the forting by the elevators has been any easy. In this way I have renoved furtions of second of the sils with a piece of the Hennerm. Where this operation is performed in cases of career, after the own aval of there parts, we can dissect away the diseased facts from the please . Franchation shoot up from the Inface and Cocatorization takes place. If we have cut into the pleana, there will be netraction of the lay grown the farrage of air into the last,

Lacture 43rd Danuary 12th 1843. Dajuries and cliseases of the chest. Mounds. When there affect only the walls of the chest, the skin and musscles, and do not enter the cavity, they must be treated like all other flesh wounds. of the purcture extend into the cavity of the please, on one side, the two cavities being reporate at the medic astinum, then will be a nest of nir into the Cavity of that side, accompanied by a sinking or falling down of the long of that side. (The the surgeons supposed this sinh. ing to be a collapse of the lung, but it is not menely a falling down. The ling is actively contractile, awing to the yellow clastic filmous and cartilaginous substance in it stand there is a great quality muscular substance in the lays which exists between the rings where the Contilog inous plates exist. Here always tend to contract best are frehented by the (murcular) walls of the chest, and the lung is forced to distends by the pressure of the columns of the atmosphere within, which is equivalent to 15 formers to the ornare inch. As long as there is no wound through the wales of the chest, there remain distended, but when an aperture is made, the

rin gets into the cavity Counterlalancing the presonne, the pressure on the autside and enside of the lungs, balance each other, the long sinks down forcing out all the Shperalcundant air. This may be seen in the dead subject, in which the lungs are health, and their are no adhesions along the Derface. If the cavity be punctured contraction follows and the air is forced out through the tracker sometimes with difficient force to blow out a candle. Unless the bound be large and free, the openby larger than the chick of the glottes, the wind is aft to pass in , in small grean tities at every inspiration. But when a large encision is made the large asstartly Thriad of, and all the air except a small quantity is forced out. When the patient breaths the an will has cute the long of the opposite side through the tracker let an the side it will pass through the opening. If blood nessels have been injured, the blood will pass more easily into the chest, than it will externally. This howardage many go an (concealed) from the internal that contents the greater Severally all of the blood passes inwards until agreat

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quantity is callested in the chest, and then a little new out. We must attend to the Deteration or charactering of the bound. If we see it close of the stermine. we suspect the mammany artery is injuned, and then we hatol the case, If the breathy becomes short and constricted from pressing down of the diaphragm by the blood we search for the litery. We dilate the estamal incisione search for the bleeding wessel and take it of with a terrantimo ar with assalinis spring forceps, and pages a ligature around both ends. If the wound bee in the intercostal space at the appear surface, of it, or at at the appear surface of the ril and runs who ands, we always suspect the intercos. tal nessels to be injused. If the symptoms he found still above, we dilate the wound, cutting through the exctesnal intercostab muscle. It is not necessary to cut deeper as the reassels run between the two muscles. We trace and the astery and veine and the take them of will a tenrealism or force so. This arting can be taken at contrary to the opinion of the old suggests. He tie the opposite sides of the westel. Hounds of the clest, unattended will

wound of the lange, are by no means dangerous. there wounds, watt dad with injury of the lungs, are more frequent than is supposed. Some surgeons say that a rand very seldom suters the pleura withent wounding the large, lest I have frequently seen it. I have sent the case of a long in which a nail was forced obligar by upparas through the interestal space to the depth of 3 inches on this case there was no longe or no exfectoration of a bloody frothy macons inclinately a bound of the lung. He treatment of cases in which air only has entered the cavity, is ample. The only diffi-Culty has been in Obligion wounds, in which case the air many be forced with the collabor texture, producing Emphysema. When it has entered the cellular texture the beatment has always been simple. I have closed the brasend and it has been absorbed in a few hours. Then in the chest too it has always been speedily absorbed, to presure of the air within. In cases of this hind of close the external wound as speedily as possible, and de not squeeze

out the air, goasping the fatient like a polar hear as the old sugeon dire. He air in the cavity is not isribiting. I close the wound (looning it) to unite by archeous inflamation. I apply a layer of patent lint, then a compress over it with adle, we strips and a handage passed around the body. If the wound be long at emplay or few latures made vibl a fine Pumbrie meelle. When block gets into the courty it al und gravitates (downwards firesing) whom the deaphragen If it be in the quality of a half put or fint it in-Judes the action of the murcle rendering nespiration lake. mais and offenessine. In this case of lay the patient in a de fending posture permitting the blood to numerate of I need cragalle at the opening of pull there out something is large lastions. Dometins it will sum out. It is not from on to introduce ogninges for the purpose of purpose it out, make plight pressure on the abdomen and clast, which will farm the blood throwing out. Blood in the carif of worse than air, from the difficulty of absorption. If the the difficulty of breathy will continue for 4 on days. To overcome this was proper depletion, men

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conial alteratives and certimony. It requires a longer time for absorption there air. It is very seldom that much blood will ento the carity. It is only in the hands of those who me glet to take of the city that we have too much to be realisorhed. In this Condition if we wait box lorlays, using deflation, autimony and alteratives, Disrounding adhesions well have taken place, and then we will have a cir-Conscribed collection of blood, which will be a bloody bland will percolate through the external parts, causing them to look lived or black. His leads the patient to think the part has mortified, It differs from mortific Cotton in not being able to head off the Doorf shin, and in there ling no smell. His appearance there indi-Cotes the formation of a bloody abserve. When the patient belown weller offices. con and sinking this is aft to spirt of an apply the Stellercope me Calok find a loss of the respiratory mar. meny there is dulness over the part on procession; of he success or stake the patient we can bear it.

Q. d Je let a callection of fluid out of the conde of the clast, serum. Blood or matter, we make the functione as near as can be ascertained ones the centre of the fluid: this is the only place of clection. The incislaw may be made as low down as the 9th or 16 th sills in collections of fluids. The diaphragm is forced out of seach of the hings in these cases he aut into the can't, of the absence, through the interestab space making amain cision am inch or 1'h inclus in length. He leave this open as it does not offert the camit of the clast. The apply houlties one the past. The fluid will come out by suffice toution and the cavity heal by granulation.

Lecture 44 th, Sanuary 13 th 1843.

Abscesses in the Cavity of the chest. There occur in health and unhealthy contitutions. In the leave pleasantie in scrophelous constitutions in which the matter same ists of flakes of lymph in the serum of a cond like appearance, in fall lipped and pale liverod persons, there are incumable:

The frame there collections in healthy constitution, in which the abscence is of the phleguronaus character,

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In there, larrounding adherious connect the collection of matter into a gencine abscess. There is lowetimes as dema and an engripelatous libert of the Ohin over the hart. Dropsical effusion in the Chest. This may take place in one or both sides of the chest and in the pericardians. It is a disputed point whether to nely an the Common remedies for efferious, otigitalis, Calonels counter instation of claterium, or whether to take (in ef fusion into the pericardium) the majority of surgeons are not in favour of it. bases have occured in which tepping mitagated or paliated them. By it the system becomes more susceptible to the action of remedie, Extich afterwards not better and sometime effect a come. In many cases it cannot be cared anising from essification of the values of the heart. In mile cases in which we have offeriow, we may construes care of cups the opine and hydragogue catharties. either for effers you with the chest or pericardines. In operating, surgeons cut though the painintroduce the finger, feeling the perceading

Should be a little to the later of the state The rest to the same of the sa with a little of the party of t Land Street of the Land Street Contract of the Land Street of the Land

and puncture it. Some trephine the sternum. I would not recommend this. Compounds rounds of the chest. Penetrating wounds, which eater deeply, wounding the lungs heart or great blood nenels, are of a hore grave and serious character than infurficial wounds. By the old surgeons all cases of wounds of the lings and large blood vessels never Considered necessarily fetals, and ell cases that we coreard were Considered only simple wounds. Within a few years there has been so grat a revolution and Comprovement in military surgery brought about of Barron Jarry, that we now him (that we now know) that wounds of the lungs and large blood nessels mentare not necessarily Refatal. They thought the air and bloods were irritating, and, for the purpose of removing there, they enlarged the external wound, batheters, prokes and takes were entroduced to rearch for foreign bodies, for the perpose of extracting them. They used forcible Compression to example the air from the clert. They did this, heaping the extends would spen and Donetins

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enlarging it. They also from their fear of inflanation deflated their patients. I object to cathey ant pieces of cellular textwo and musch at the life of the would, and to making an abligar wound straight as recommended by Lasney, but there are points of minor importance. Barrow Larry reverses the treatment of the older Dugeons of no foreign bodies, as pieces of cloths, splinters of wood or a fince of named was seen the closed the wound. He only that ant those bookies which were seen in the cavity, He closes the external wound, leaving the black and air in the Carrity, and left it unite by the adhesine inflamation. Commonly by this, symptom arose, to comelat which It was necessary to use depletion, frest air, autimony of Cathertics, as the particular case required. By this treatment he conducted his patients to a favorable issue. Now all good Ingeons admit this is the true practice. In the first place we have a would of the lungs which lays open the pulmonary arteries or some of the air tules. As long as the external would Continues open and blood and air escapes from the

lung, there will flow from it a frothy blood. By delating the wound this will flow out in greater quanlity. Here will be only an increased disharge of air from the air nessels and belood from the blood ressels. This well go on until the patent faints, when the action of the heart almost ceases, the blood collected may coag elate and close the wound and the patient may get well. But it is rarely that they will react. By heap ing (spear) the wound, it is very racely patients (acle) get well. By clasing it the lung will collapse and the cir and black will pass ato the Cavity. He close the wounds as firmly (as possible) and as Completely as possible. Ido this by the blood and lint , passing long strips of achesine plaster over tt, and a baidage around the chest. I make it sufficiently tight to compile the fatient to breath by the diaphraga alone. The hemorshage Centinces after the wound is closed from the wounded lung. There is now a pleneam state instead of a racumen. Both classes of nessels being opened, an is thrown out from the air nessels and black from the blodd nessels into the carily by which premute upon the lung. It will not do to introduce

And the last the single-based property and the same of the same of

typties, but inous or pokers into the county to the bleed ing wescals. It will only do to close the wound. If a lage blood nessel is wounded, and the pulse is not reduced, the respiration becomes more and more difficult, the blood Continues to flow pressing the diaphragus down, the interestal spaces become distende ed, and we see the patient would possibly these Continued, one must turn him on the affected Dide, permitty the lung of the opposite to carry on the fano. and are cola lations, and if necessary bleed. This should be corried to synoofe, which must be kept up and the patient kept quiet for a difficient longth of time for the blood to coag atote. This patient should be Reft gunet for a few hours and if possible for a for days. Lymph will be effored and become organized of bessels shooting ent it, and in this way we will have a promomet closure, The air and blood will be als Dorbed in some measure; the air neary soon in 3 or 4 dago, and the nest will gravotate to the lowest forts. I 3 or 1, week if not alsorbed, it will produte though the walks of the clast over the part, and will

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give rise to a black appearance of the skin. It may the be tapped, and direlaged as directed. all are to be depleted for Condition of things. It is and in Danqueneaus regorous and plethoric patients, hand not in dange con. cold and prostrated states offer thank systems; many are prosteted and cold immediate. en to the nervous system. It this Condition the hemfresh air, give charffets of lold water. We have to depend on sale means in these Cores. It may be necessary in some cores to gue stimuli to rounde the System. Some give brandy but I frefer the Carbonato of ammonea with opinion. I graws of the Costonate may be given wery to hour - hour - or I hours as indicated according to symptoms, gung at the lane time Cold water. If not sufficient it may be necessary to sold a few drops of brandy with grade. It may he necessary to give the cromatio tenetire, ortileaf have loves must be treated according

to the state of the system. Only when plettonic and the block goes on offering are we fastified in deflating. If in twell quality the blood may be absorted and it may not be necessary to tak. Nounds of both pides of the Chest. He have cases of wounds of both sides of the chest from a puncture by a bread sword; and from the horsege of balls through both sides. In one care in record the shaft of a corriage a the fatient stood against a barn has. ned though the chast leaving the heart untouched. This hatint get well.

If the longs of both sides of the seem sound, if no organice disparce had excited before the enjury. this fatient ourst necessarily have died . Even in min. ple penetrating wounds of poth sides, but lungs col. lapse, and if it does not cut off all the respiration though the tracker, it is very mall, quality of air that passes in. Some fresh air may be admitted and it may happen that it may not be followed by a folal termination. But large wounds through with sides of the chest, tearing the lungs, the black

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flowing ant of the tors wessels and wound, the patient If Pheternatural adhesions of the pleana on both hides exist at the time of the injury the lungs will not callapse; or if there exist are one, that lung may not Collapse. If there exist we may have a wound of. both rides of the chest neither lung collapsing. This will keep up life, difficient air passing in through the track ca. If one lung he adderent it may provent a collapse of that side; or even if fact adherent it may keep up the lung, then if the wound does not pass through the centre of the adherent portion the long will not Collapse. Not only adherians bent hepatization of the lung may prevent a collapse. If hepatization exist it is generally at the lower portion of the long it hall may then pass through the lower part and the upper part no main unaffected. If tuke-culous masses remain in the pasline state, the person having no longle or no expec-Toration the lung may be kept distended. There are generally at the appear part of the lung. If a ball

white the state of with the same of t

278. pan though the part this will not callapre.

ofened, and disclarge the matter, and the luderation fire. went this from callapsing. he have only to look at the subjects in dis. testing rooms to account for the many recoveries that take place after wounds sof hoth sides of the chest. heart and large belood nessels under certain cincumstan. Ces may be could, although would of these are more dangerous that those of the nessels of the lungs. (base. I had the case of a medical student who shot himself with a large pistol Containing two balls, the two passing with the clast making a staged que ing. I arrived about 20 minutes after the injury had then received, and found the patent surrounded with blood having last perhaps 2 or 3 quarts. and found of The flowing from the wound, He was cald and Julie less. I pressed my hand upon the opening and checked the flow of blood. The patient began to look bright out fund eyes, he began to heave to bead and look about The heart began to heat and I found a shight Julie

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at the wrist. The chest began to heave. Opon turning him over to examine if the bales had proved though he escalaimed " you need not try" lepon as key he noting he did what he had done her answered "the has too froud to beg, and undertack to steal." I then asked him if I should write to his father he exclaved in a loud voice "No". The was a good of black at the time followed his motions, and he cutantly died. Examination of body. I forma that I bullet had entred the clast makely a large ragid opening , on the left side directly in the direction of the heat. The perioncham funds filled with blood. The lates tore open the left wentricles of the heart at the when part, making a open though the chaplerage, through the left loke of the liver, trough the opleer, and immerged at the grown, the opening in the benticle hours about to the Line of the dortor. From presome the opening in the hart was closed. The opening in the corta being longer, and they hart pulsating, it was compelled to sand the blood through the overto, and through the constides to to brain. The hearts continues bulsating, even after it

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is demoned from the holy as is been in animals, and as was seen in the messions mundered by the spanning. The black being sent to the brain enabled him, not only to move and to breath bent to converse. I believe of other organs had not been involved, this fatient have recovered. — elahen from recollection.)

Lecture 45th Sanuary 16th 1813.

the long are wounded, and the air takes few the and is thrown out of the lings and is diffused in the collular texture, especially in obligue wounds. It is not only extended ones a small office things also the land are affected, the being differed in the interstitute celle lular texture of the lung. After women of the lung this is very common, It is outside of the air takes and blood nessels. It not only enters the cellula tercture of the ling but news back sate the root of the long to the mediastimm, up to the neck and face and down to the limbs and trunk, and indeed over the whole body. Some pay the brain, the eye and the bone are

.

sometimes involved list this I doubt. It is not common by Do dreadful as this. The worst cores occur after fractues of the riles, the defressed partions running into the lungs. Some may ofthe fractures of the clavich, the sprenter rowing down hahind the scaleri muste. The please runs ap above the rily ling the Dealeni mussche, It's explains how it may take place here. In all long nech people and in fenales and makes who lace, the lengs are forced of alione the rules. Not only fractures but wounds and alseess es in this part may produce employeona We use ammoniated litian, and stimulating plasters to restore the part by adlesion and the air will be aliarhed. He raise the head at an aigh of about 45 degrees. and if necessary are great defections. Only when this fails are we justified in performing an operation. he the make ucciscans /2 or line in langth. If the air le beneath a fascia we carry them below this. When extend There may have a frequent return of enflyzembs. Theretimes above the sterment at the inner edge of the thin. mastoid muche will immedially relaive the Suffocation produced by presure on the languise

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In complysema there is a crackly like dried leaves used the shine. I have never recortlere extensive cases.

Hernia of the lung. Hernia of the lung of Lace never seen. His very have, Sometimes a small portain of the lung frotandes: in some cases the whole bole. In some cases this has been treated by Excision; at other times by ligotue applied around the protouded portion at the level of the clest; other have seared the portion off will lot crows; others have enlarged the wound and network back the frotrided portion. Under all there form of treatment patients have secone ad. If not diseased the proper plan is to replace the protocoled portion in the cavity and then theat by antiflulogistics as if the Kennia had not occurred. It must not be seared or cut off, unless it cannot be returned. If lacerated and contined a ligatione may be used He actual cantery I would never use myself. theres of senere contusions of the chest, or when the cavity was compressed and the blood and air versely suffered and the long dilated. All such Complicate woods

west be much more dangerous than mere comfound wonds

Organies and diseases of the Abdomen. The abdomen is sitcated differently in a great winest of respects from the chest tis lined by a servery membrane which is hable to effersion of lysuft and adhesion in Consequence of which in wounds in closetes the parts.) In wounds if the patient be heft quiet. (a favormable circumstace for union) union will tack place and prevent the man brave form a) off fuse inflancation, the most retensive membrane in the body If over the whole, even when not very high, as enjoiheld, it is liable to distray the system. The inflamation of the wound i but little. If a wound of the abdomen occan in unhealty, irritable, sono fifulous or lance plagmatic Constitations; if in persons who line in confened, ill wentlated the partments, and know or searly diet; or if in persons made intable by the Continued use of strong drinks, the adder I've inflamation well not be set up; it will be obiffuse and the fatient will die in a few hours. Javourally in peculiarly liable manner for in-Hamatin of the health character. He viscona do not

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collapse as the lungs sto. They are all compacted to getter, the whole cavity being filled, and give to each other matual support. The parts being close the objectest degree of afloration may close the wounds Stomach. The wounds of the Homach are (frequentando) the dangerous as we are hable to have an infiltration of the contents with the county, In would of the wessels we are aft to have the Contest thrown out, and also of to intistines. It was at one time thought wounds of the stomach could not be recovered from, but we have cases of necovery an second. In one care of wound of the standed the Contents were thrown out and circumscribed by an effusion of lymph by which it was onnested into an absert. This was opened and the Contents let out, which were found to be pieces of calibrage, charse he highly dangerous from the contents lodging in the car. it and a collapse of the storach, execting exitation. on all cases in which recoveries have taken place iting by Jurounding adherions. Gall Bladder. The Bile from its instating nature, it

has been thought, would necessarily destroy life when

The state of the s

ifiltrated into the comity of the aldonner. In some cases on which fluctuation was felt and mistaken for an all scass in the liner, this has been functioned and the parties tients have liand. In a muche of instances it has been functioned and hile and gall stones left out. This may be explained. by the large size of the gall bladder, by which it pressed against the lineing membrane of the abdomen. From this it excited intation and cohered to it. When it was laid open the contents have come ant and not communicated at all will the cavity of the aldonew. Who this bladder is distended at the time of the wound there may be a sudden flow of livine and no afferiow. In all comes of infiltration of hile a fatal infilamation will Uninary Bladder. In woulds of the bladder there is always an affersion of wine, and this must always, necessatily, terminate fetally. Dome have been followed by a fistulous opening and a core effected in this way the write passing through the opening. Dometimes adhesion of the spening takes place. The points supplicate and granulate and there is a union of the would be distended dates of the bladder a would may be

the special same that we have to

received above the Julio leaving the perstonens him in the perineum the bladder may be pureticed and no infeltration take places But in there wounds the wine may pass into the pelais. where it will produce North uny and death. Following wounds about the prostrate when infeltration of wine takes place, incisions may les mede into the good turn personeum and thigh to lead out the fluid before mortification takes place The other viscera are not very aft to more in the abdoner, being fixed. A would of the enter. times made with a clean instrument, are that has not a blunt point, is not very likely to terminate fataly. Green balls have passed through the abdonew, and through the hones as was shown from the feces passing out of the would, and there viscina have not been desplacedo Adlesiane inflanation has takes place and a cone followed, The has heen left, to the same, age, egg disagneable fistulous open ing through which the feces have passed but this tos some thing life oured. the the bowels are not protouded leave the parts in sites

+ spread with simple cerate kept wet with whis key and nates, 

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Lay the patient in a horizontal posture. Lay him an a board for the first few hours with only a little aboration of the head by a Omale fillow, and more him on this, It is het. to them a lead, in not allowing motion. By morning the partient, the course of the word is distroyed, and the motion is aft to produce infiltration. which will lessen the chance of recovery Where we have no reason to conclude the viscoso have been penetrated, and when no feces, no coloured lie quid, more of the Contents of the gale bladder stomach or bow els pers off rue may hope, and with good reason none are peretrated, the would may be closed, This may be done by a layor of lint over the blood of the would and strips of adhesine plaster. If the would be long 3 or 4 interrupted Outenes may be and, making a fine shtal, and adhesive plaste be used between the Ptitches. A Company of patent lint many be placed over the part.

If the faces come out through the opening the would must not be closed. A poultice of slipen clu may be applied over it , or what is better a pleasest of list!

heeft do left a laidage, that the contests may be allowed to escape. By this the word may be converted into an nal wound, and we see a wound in the protouded for time and me to use ligations. I meeting these parts will the stomach and onentun protrude and are not wounded. In one case the one. true protouded throng the would made by a stab. I return ad it and the patients got well. I have know the out off by ignerant surgeons and the patients have got well, In all the cases of protonded omention which I have last the fatients have got well. I witesting protoude when not cut, I have returned them and the patients got well-In all there cases we east away or pich off all tains dist or sticks. This may be done with a spone but it better to four water over the protouded port woody any thre things. He lived may then be replaced in the conif and the external wound sticked up. His many budows by the enterapted butwees controding the thready linch as part. There should not be pared into the shim only but

x in oblique wounds it may sometimes he necessary to dilate it.

through the muscles down near to the fascia. Lint and adherine plante may then he ared, with a landage around It aldomen. for must not entraduce forcely or prodes to Lead for the intestino when wounded. By this you may force out the contents of the bowel into the cavity, with many produce instation of the sporitoneum. inflamation and death. the plan now is never to delate a wound of the abdomen. Leane it alone anders the bowels protende, keeping the patient stile. By the infloration well arise and block up the artistice. Methe bowel protondes and we see a wound in it when replaced in the abdomen the contents will come cut. His portion has to move and rabble about with it gets to its natural place. When a small hale or functure is sean in the fortruded portion, we find up the part wether pair of forceps and slip a fine ligature well hasced around. the end of the forceps, on the pertian of intestine secred. he then cut off one end of the ligation, push back the bowel loving the other and of the ligatione aut of

the wound. By the end of the ligative we keep the knot just at the lestion of the wound, is, the line the ligative is to come off the word will have united. Jone leave the whoten in will the knot, that it may alcorate and pass through the bowels with the feces. This it is possible may fail and the ligative fall off in the carif from which we may have infloration and a fatal termination, from anfelhation of the Contents. By this plan the contents wile for out through the externel fromd before it will pass into the court of there he a lang rent, either langetudinal or transverses we take the firest combic wee alle efsed by the ladies No 5 or 6- will a piece of fine bello, or Cotton if Obrany enough, well word, and bring the edges together by the interrupted sature just as in any other wound, leave one end of each out though the esolernal wound. We make as fine and as short a stick as possible. Hy may be made very thost on the moist lutistime. Done make one of the Continued later Dowing the intestine as ladies do a sent in a glow a stocking, the passing it into the cavity, This is lie

x apply the ligatures is or his apart.

ble to the same objection with the other, us. clanating through before the edges have united permitty an infiltration into the cowity. The the long the threads out of the external wound, aft hany cut one and of each off, and heep the houts directly at the bottom of the wound. The the faster there down by adhesine plaster by which the intestine is prevented from netracting. We the closethe external wound lightly, not tightly of this external bound be long 3 or 4 natives may be wed beauty and introppase between them. 334 this the contents of the bowel will not afeltrate into the aldonen but per If the loved be cat entirely across the apply the first legatures believe where the mesentery s'attacked, leavy the hust of this ligature in the bowel, to par of by wheretie with the contest of the howell, his hyather may be enough but the lack part placed in the way, The them apply, 2 or 3 more ligatures around the other part of the intestine, and ling the ends of there through the external wounds the thin brung the howel to the bottom of the would. This erecte land

\* It is more liable to alcerate, and as it is left in the carity from this them enay be an afiltration of the contents. If it does unite them will be a stricture of the intestine and the patient die of colie or ileur. 

invitation the continued outure, and of the contral there wile pass, if not all through the external wand of they come out of the intestine, more than into the We have I Dufaces brought in Contact in the autestine, a serous surface and a mucous surface. The musous surface is aft to sappointe, but the senous surface is not so aft to supposente, but with throw out lymph and adhere. If the would has parsed so deep as to cut in artery of the mesentey or of some other part, and this hart protonde, the artey bleeding we han a legative a round it and introduce the part, leaving one end out of the external wound The mention is after found protouding through the wounds in young boyo, and but soldon in old persons being fatty, and thick, Then sound this must always be just back. If the opening be small and this comment bedone, do not use krokes to push it in lit, dilate the external wound about ha web with a blunt pointed histoury and then introduce it. When the protected portion is dirty and toon it may

the removed by cutting it off. There is very little danger of Removshage in young persons from this. Lecture 46th Sanuary 17th 1843. Stone The high operation is performed by entting into the bladder above the puleis. The old singeons tied the penis and permitted the bladder to be overdisterded with usine , before performing the operation by which the perstoneme was faced up out of neach of the knife. By this there was claringer of spilling the arrive out into the county of the pelvis, exciting arritation. Cheselden Considering the whole source of the mischief as arising from the afil ration of arms emptied the bladder, and immediately before operating injected auto it barley nater considering this len issitating. Lately it is found that both of there ways are hible to produce a fatal result. The first is dangerors from an accumulation of using and overdistersion of the bladder. There the issue is left out it falls into Jalds, and henry worlated from distension it throws out a muco purulent recretion. It is more like to the come

inflamed after teen distended.

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Now this operation has been improved by cutting into the unethra, and introducing a dart sound. This was forced against the appear funders of the bladder, and probed beneath the paretes alone the pulis. As pur led up it for-Ces the paritoneum above it. The dant is then forced though the fareetes over the pulis. I her town is then inserted along the sounds, the body of the bladder cut and the storm with drawer. It was thought this operation would be adopted. I at one time thought I had made an inframewest in it. I enflice the bladder of wine and washed out the drags with water of introduced a common catheter or sound carried through the unethra, thruit it up above the Julis and cut down on it from over the Julis. I then introduced my finger are the instrument and enlarged the opening eschaeting the stone. the circumstance renders this operation above the fealer very easy. The nextens and pyreformer mor. cles come down onthe front of the pulies, and not on the top as described in the books, he have a wide

· Colored Springer

Opace wetween these and the partoneum which is filled with cellular time.

I take occasion to show you the different instruments used for breaking the stone in the bladder. Frain

ments and for breaking the stone in the bladder. He in the source this instrument through the westher closed, after having delated it with catheter or largers to a sufficient sine. He streke the stone with the side of the instrument, and still holding it aside me gradually ofen it and place it over the stones. We then are the senen hower to brake it down. The then withdraw the instrument, and a few days and introduce it again. This instrument cannot be used with the same freedom the other again. This instrument cannot be used with the same freedom the other same paniful.

introduced in the grown of the other. His is introduced the man through the unether closed. His letter them the other instrument as it may be turned to any part of

the bladder. He stone may be seized in the tower fort of the bladder by turning the instrument down. It has the advantage over the other instrument is cases in which the stone is too hord to be broken by the severe house the case if the severe house the

ment hold the stone in the centre of the bladen and weather percession. We can will the brake the stone

into detritus more readily them with the other.

Lateral Operation. This has been informed to be an incision into the bladder itself. The prostrate gland due not lie at the very lovest part of the bladder. This operation really consists in this We begin the incision at the ball and carry it off laterally to the left bide of the postate. It the patients anches to the wrists and him the postates to the prostrates to heaf the knew afact than to overcome the motions of the patient. There can easily he restrained by two or is associated. I have the a ground to make the bladder through the wrether, This is held finally by an arristant, who keeps the instrument perpendicular

4 a 0 6 de di I the make the first increasing I'm 3 incles in length, commencing it at the bottom and correging it downwards and orthords in the direction of a point miding between the takerosity of the cachine and the anus, outling to our right and the patients left. I carry this indischer down on the triangelor ligament which reporter the superficial from the deep parts. I carry the incision fuit deep ande of the bulb which however I do not cut as there parts are varaular and would blead in this indiscon I can't the transvers perinei artery, which Jant of 10 cases reguines no ligature. I then see the rousies periner out transversus periner alter museles, which I eat through down on the triangular ligament of the weethers. I cut through the triangular ligament below the bulk and in front of the arms and them feel the grown of the sound, I the cut through mentic how part of the weether, and fix the history in the grown of the Donned and pass it into the bladder. I have in the finger, draw and the sound, and if I find the openmy is not large enough I cut faither downwards with the history. I then into duce a forces, sline the otom in its obot diameter, which may be done by seining it several times

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and then withdraw it. The advantage of this over the high operation is that it may be ferformed in diseases & strictures of the unethra. Lecture 47th. Sancory 18th 1843. Calculus diathesis or a disposition to uninary deposite. lot. His is what many be called a nervous diatheris, in which there exists nervous derangement. There in a while in person from sedentary habits, and from living in ill westilated departments, there will come on an imitable state of the bladder simulating stone. The how. els become costine, the patient becomes dy peptie, complains of sich head ache, and fain in various harts of the body. Finally be will present symptoms of invitable blade der; pain in the unethra and pain and difficult of micturition. There care are common. They are more namerous than those in while stone exist, and have deceived have been afflicted with many other disease. They do not ormulate the disease hat finally believe they have otono, Ash whether they experience pair from active one ercise, they say "yes", Ash them if they have difficulty of meetunition they day "ps" Ash of a sensation of rolling is

2 0. 1 d ci h. 1.0 ch the bladder thy say, jes. They have pain in the glass penis, retraction of the testicles; indeed all the tymptoms simulating those of stone in the bladder. To near indeed one the symptoms to those of stone that many practitioners will be decined. After several soundings there symptoms have continued, and practitioners of more experience than myself have been decined.

Case . I had the case of a patient of nervous issistabil. ity produced by asphyseia from Carbonic acid gas from chon Coal. Ferrors are very liable to have derargement of the nerhow system from their gas. The late Dr Chenle aft seconevery from an almost asphysicated state produced by this gas. perspired only or one side of the neesial line of his body. his patient after hours gout, sheumatism, cugina pectoris, thysteria. thought he had stone in the Bladden, Many In. geons gave counterrance to his complaints. I somded and decided no stone was there. The always answered our questions, and described his feeling as if the was a store in the bladder, lepon asking him he stated he lad rolling in his bladder, frain in the glans penis, He estated the pain has greater after emptering the bladder, which suggeons say distinguishes the irritable bladder from the in which then

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is a stone. He would Complain of bloody discharges, and the discharge was said to be sado by sugeons who escar une ob it; vercamined it closely and found it only a sedimentitions deposite in the unive. I sent his to the springs. Because I would not operate he considered me the most peoplical of all men. After 5 or 6 years he care to the lecture noon pestering me it a time when we had a salgest with small pore. He took this discare and suddenly died. I examined the body and found no symptoms of stone. There were no symptoms of inflavation or no organic affection of the bladder. Or the Contrary the bladder was pale. The and sign of discare was a small patel on the owntricle of the Least, and a small enlagement of the tip of the 12th rib, at which place he had often Complained of pain, and from while I had given temporary releif by belisters. There was no trace of disease in any other parts of the bo-It idea that the other is sometimes ency ted in the blackly is which cases no click is perceived while sounding. I have Cases of the kind almost every weaks. Whenever in such Cares the come is pale, or ex-

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the does not exist, and if not found whom someting I decide that it is only the coloubus diathetis from nerwell regulated diet and send them into the open ari or to the open ari or to the open are or to the open are and heep con-In cases in which the unine is habitually lad ed, hage Colomed like handy, and throws down upon stand ing bethic acid, or especially if sandy particles are passed, we have what constitutes the a lethic acid diatheris. This deposite may be free lithis acid on the acid with it salts. the may always suspect in this case the existence of a Hone, there may exist in small particles in the bladder especcally in the lower feedles. If this progress these may enthe introduction of the sound, and he felt is the rectume, it is growel and not istone. we may expel all the particles. Such as do not come away

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may be removed by an operation. In the cases the potients must avoid all aces aut drinks sed fruits and all irregularities. I give blue file with aloes and shoulast to nestre the secretions, and then alkalies. The supercarbonate or becorbonate of potasso or Toda are lest forms. The aguas potasso is too isritating and a do not believe in its solvent power (over the stone) I do not believe any remedy has this power. Of the bicarbonato 20 to 60 grains may be given 3 times a day in a tamble of Settyer water with mila dientie dientes. of the deweties the Enigerous are the best. Of there I use the Thiladelphiam, Canadansis and Hetersphillen all equally good.) At the same time I keep the bowels negular End give blue pill. As long as we pursue this treatment, the deposite well salside. At all events there will be no wereaso. At the same time I delate the weether by mean of bon green, and bring the lower part of the funder tof the bladder in a depending posture so as to permit the sectionent topass If we dilate the weether with bongies to full sine and give diwaties they may have almost always, I have had them has the sine of the first phalana of the figur.

I have known them has of an obling stape the length of the first and half of the second platance of the figure, By takeig advantage of this we may always pain gravel and small In gravel the arrive is always ned and throws down a sediment; there is no mucous discharge and the unive does not small strong after standing, This treatment is useful if we clan not get the discharge of large stones. If large stones exact, by it are get the system in a condition to be operated whoma Before operating we must always correct the mostid derangements which exist as few as hossible, and the remedies prescriba for the little acid diathesis one the proper ones for the The next deatheris is the phosphatic, of which there are many ranceties, and which is the most un favourable of all the may have a discharge from the bladder ! in this diathesist of matter is catasse; and we may have it from foreign bodies, as him, needles and the like, which have been swallowed, and find their way into the bladde through the bowels / where they create inflower tion and Dupperation. The discharge in this diatheris consists of

x after The Corrected the secretions by alterations Concateries and given directions.

a glang, roly, tough visced macus which well adhere to the bottom of the versel is which it is passed. The versel may be turned of side down and this will not now ant. Frequently almost the whole discharge consists of this, or connestion with this there is a party, white looking calcaneous Oulstance like chalk or line which settles to the bottom of the resed, In some cone, this does not occur, The may lace adcashage of nothing but macas; sometimes has miner latt var gelatinas macas. At othe times we have this which settles to the bottom of the wessel when it may be sole lected. Itom this circumstance it has been called pasty Calculus. This is secreted by the bladde and does not come from the kidneys. He wire in this is always of an al-Raline sharacter staining turneric kapen, and smells of ammonia. I have operated upon a partient for store and had the wound plagged up will this paste. I have could this by the nitrue acid! delated to all cases which I have met with this alone has been effectual. I have cared patients with it, who, after several years have had a neturn of it, which I take Cared a second time. It may be fut in one to with haf sugar and sucked through a quile to

\* May give 10 to 30 drops 4 to 5 times a day

alkalies, alkaline onth, and magnesia exasperates this disence. If acid on

it in otomach magnesia enough le given to correct this lut only for this. If the

done he increesed the disense well be exasperated.

avaid injury of the teeth. He patient may take a much or he can be can the same have be can take and digest. At the same time warm baths may be used and the asethra dilated to allow the hassage with case of this stush, o

harally red bladder I have lad more difficult. I then introduce the catheter every 3 or 4 hours westel the hateit leaves how to of. it himself, drawy off the wrine, so that it may recover it, tone. If no observe of the prostrate as it here, or there he so calcules in the bladder, it may be overcome.

is transment may be introduced, armed will lunar Caustic: not to burn these hant but menely to smear them.

by to orner one this condition of the bladder. Nothing is more classer one than to operate on a patient with a thick and initable state of the bladder. In this discove the kidney is not in fault. It begins in the bladder and continues there, and is orang to a chrome's influenting this organ from which it throws out this whalky matter

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as the guis do touter in a state of chronic inflamation. It is secreted from the costs of the bladder and is not a deposite in the unive.

A stone may cause the inflamation from which we may have their plasplatic deposite around it. In this way we may have highly compound stones formed. And in the same way we may have the phosphatic separation where lither acid diathesis. We may have the phosphatic overcome that have the lither acid again, anth inflamation is excited and their again the phosphatic. We may have from this first a little acid calculi, then a phosphatic obeforite, the over it a deposite of lither acid, then again the phosphatic deposite.

Therener a stone is fund or sounding, before operating, the health secretions of wine and of the bowel. must be restored and the initable state of the bladder remo-

Sounding. The next of surgeons are too highly carried lands. The prostate is not at the bottom of the blackler, a considerable frontier bying below it. I now this a stone may be below the instrument, With there instruments we can feel the apper part of the blackler but not the lower

the introment passing over the otone. These is towner to may be used almost Thanget. I have known surgeons search and search in vain for a stone, forgetting to put their finger into the necture, 73, this we can push up the stone and the we can hear the chich produced by the sound striking it. He figur should always be introduced into the nection while Sounding. The patient should be sounded in all positions, stand ing pitting and lying. He should be sounded while or his finess; and with the head down and extremities who. The Thould be turned while sounding to ling the stone in reaches In Corpulant persons we must push alone the pulis, while Dounding. He rections in ald pessons is overlapped by the bladder, forming on each a cal de sae in which the other may be lodged. The the inject into the bladden flarenced tea to chotend it. When we have failed in all there means I take a strong silver catheter and introduces it is a distended state of the bladder of the more the patient about fermitty the anne to flow though the cathetures the bladder is emptied the stone is brought down whom it.

I have Daccorded by this when all other means have

failed. Sometimes by long sounds forcing them high up in the beladden we detect the otome. His was the way in wheh the stone are detected in it. Reigant. In his case it was lodged high up in the beladder and to one side. As acquides the chemical Characters of the other lit. the benefit is desired from a knowledge of them. Astone may be little acido at one time and from aflamation of the bladder it may become plas plantic. In compound Hosts he may have allothe boths and sometimes begitables. The only may is to get at the secretions of the hidney and of the bladderen are inflamed and in a non-enflamed state. They are more lasily aranged under the I forms mentioned. In the phosphatic deatheris me may have the phosphate and continuate of line and the triple phosplease combined. Then there is here plasphoric acid them are along this of browing colour, from which this has been Called bone carthe calculus. In the pasty sediment there is generally a miseture of the phosphate are continue of line. In the triple phosplate there are chrystels like those of Calcareous span

Lecture 48th January 19th 1813. - Courseing. The operation of cousting is now performed by there I instruments Jacobs I It enteloups of the stone he the sine of a hour egg or winder, it may be broken by Jacobs instrument. If largeer it land be seried by the constrainent and if hard we connot cleane it by this contament - but with thesteloughthis may be I would advise yours to confine yourselves to the here of one instrument, as you cannot become accus tomed to use all the instruments with freedom and oufety. With Herteloes instrument it is impossible to catal the mucas membrane of the bladder which is often thrown with folder .. which we are hable to catol will sacals instrument - and south it we can cotolic plone in any part of the bladder. When we cannot coust by the ocean power, with it we may coush by kencussian, of lage, we can bake the other who et carnot be seized by the other. ing the otone. I had a case in which their interment hole the piece remaining in the bladder, His also happened in a pateent operated upon in France, in which the piece was semoved by the cutting operation, I was more

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Successful with my case - I got the prese and by dilating the weether and bending the patient forward to favour its entrance it this passage, Operations for the vemoval of the stone devised in the different states of the Profession. In first operation for the newould of the otime was that of whooling into the rection I jugeos under the lower fundres of the bladder. By these the stone has felt and brought forward and grasfed , as there an encision was made down on it. Called Cutting on the grift" and the stone extracted. His operation of cathy on the grip was called the miner operation from the few instruments confloyed in it and was confined to Children of about 14 Jeans and under In adults makes herry tigher it could not be reached in as to be forced with from cutting which, they might sendanger the life of their functionst. aution, it height for all subjects, adults an chil-

drew, shed, from the greater number of astroments used in performing it, was called the operation major. My used a

staff with a groome in it which was introduced through the wether, and the made amineision down whom it is the membranous part of the weethra - the a common growned directed was passed from this into the bladders, Forsels were the passed and fincilly dilated to enlarge the passage, here were introduced of a large and larger size. with stretching these parts, they then parsed a gorget, concare or are side and convex on the other, and of the wedge shape, inareasing in sire from the foint upwards, along the concare Dide of which they passed a forceps; they thought that senting ethe bladden was fatal to the patient. They who ducad forces alonge the common side of the garget, obsetaled ofen and dilated the parts, seized and extracted the stone. By Jugot that they tone the bladden in this operation that thy outtured the enembranous part of the evettor, prostate gland, and lower fundes of the organ bladder This was infrared by Maries and Johannes Bromanus, and may other suggeons, one using more forces and the other more gargets. ing and lacouting made of performing it. I make of great ac

quinements named Franco modeled this operation. Leen the widerce and pain of this operation, and heaving the besseam and advertes of the patients he thought it better to cut these parts, He ared, for this purpose, what was called a razor. The wade his encision in the permen and cut to the left side of the patient.) He used a sound cut through the membranous fortion of the weether, on the left side of this part, and they out with the varor along the sound into the blad. der. He a performed it excetly as it is now performed, on. by using a Dempler instrument. Hong several times performed this operation with Inocess, he met with a patient, a log, on whom he proformed it, and found the stone too large to be extracted. Seeing this he asked the perents of the boy to allow him to cut above the pulis for the stone which they allowed). He cut alove the pulis, extracted the stone. His was the first high operation for formed for stone. He hubbished an account of this Case, and in the statement apologised for what he had done, but asked if it would not be a good plan to use this operation in prof. esence of the other His high operation was then performed by Douglass, who first trea the paris and allowed the blackde to be over

The state of the s A STREET OF THE PARTY OF THE PA AND THE RESIDENCE OF THE PARTY Now the state of t Little British Were the state of The state and descriptions in the state of t

distended with come to force the paritoneron high up, and by beside who distended the bladder by injection. Being over distended before the operation and sudden relaxation taking blace when it was cut, it fell it folds and was hable to sufficient our sufficientions.

the (ola) lugeons in the hospitals otill performed the of streetely and teaming the parts. France an ampirice and formen servant of Frances induced them to let him perform the outting operation, which he did before them the extracted a dagger through the perimens, or sent it home to the bladder as I thele calls it, into due ook a force ps and extracted the stone. The holdly introduced the dagger on he had seen his talented master do, and his operations being followed by success, the surgeons were compelled to receive trances operation.

The was confelled to study anatomy by the court of France of the which in his operations he very seldom suc. Ceeded. He conseded the operation then from his howledge of the situation of the lasts and their assertant, as is frequently the case with persons. They can discout and demans that an the clean subject, but one afrain to cut the same pats in the living.

chathis way this operation was received and ferformed, and it has remained with little modification to this day, the garget has been used which is introduced in the grown of the sound and inclined parallel to the ramus of the wehier. In this way are awaid cutting the ischatic antery, and the rectume which well be cut a cutting down words. In this too we awaid cutting the vericular perminales and the Road wessels of the bladder from which there would be hemosphage.

An we do not think of using a garget. This are a cleaning instrument and not easily handled. I have tried them on the clead subject and here never been satisfied, them. I have always used a scalfel or bestowny,

High Operation. Atrange afte all the anodification and implovements made on this operation, the success has not been possibled to the improvements. Last of 15 in the hands of Chescholen and Douglas, died. All who adopted the low operation have not had the success of Chescholen. Out of 5 or 6 in this operation I has died. In some hos pitals the sumber have died. This mortality must be of tributed to the fool aim of these haspitals and to the

to.

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tabjects which are found in them. In England the loss has been 1 to 5. In france in the friends practice of the surgeons they have lost lant of 10. We not allow that one out of y has clied from the law lateral operation, wheth clone by the right lateral or dowble lateral, or by the garget Dealfiel or history. With Cherolder the high operation has been suone successful them in any other had which ment be attributed to the cases for the performent are however from selection.

are having been selected.

The high operation ought to be performed with an empty state of the bladder sharing it free from a vine. When done in this condition it is more Dacceptule than the love. He question has been to adapt it to porticula cases. No one should confine himself to carry one operation. We should not confine anselws to cattery for the stone or to country the stone or to country the stone or to country the stone of the patient. The must conform to the condition of the patient. The plan is to sum up the remoder of cleaths in your or my hards and not in hards of all together.

When there is a disease in the weether, a stricture or fistillo, which must be overcome by an operation

and the anothers, there can be no guestion but the low openation is best as it removes the stone and clispase at the serme time. When the perineum is not deep as left is in thick subjects, this is not a very dangerous or a very clifficult operation. When we sound the nections is we should alway to before operating, and see that the parts are not deep this is not dangerous — and especially of we take the pains to remove all plethors, allows all in retaining, correct the societions and get the system is are. Correct and easy condition. It is impossible to spring the stone in case of strictures of the weether and desire of the spring the spring the spring the spring the spring the springers.

the prostrate, as selecount of which we cannot introduce the lethou tripter, or when introduced we cannot move about freely it is impossible to gain the stone. Lettone who could not pass the wine, and the bladder had become areadistended, and when chave off it had follow int. folds or rils of mucas membrane, bellow traps, Commot be employed. The interment would cottel in these folds and term them. I would extend in these folds and term them. I would of the discharge of peration for the seminary of the high operation for the seminary of the others of the others are there of the operation for the seminary of the others of the others of the others.

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but unalteded with any great danger. The vicision is made in the linear alla where the are in nessels are no nerves. the only pain which is experienced is that whom cutting through the stegament. He stone can be reached at any fait of the bladder. This operation performed in this condition and in this way will be safe, and commot be exploded. In patients with stone, bethoutsippy can be complayed in about y ant of 10. When the wetter i contake or whenthere is a strictime in it, when we can get in a how. que of land in ancoms ference, we can introduce the cruste. When the can be done it should be ciploged. Out of 10 patients buy can be ofwated you by conship - 3 as h & the lateral operation - 1 and & the high operation. they man who days he proper any one oforatime is not a surgeons but am empirice.

Lecture 49th Samuary 20th 1843. - Herrio. This is divided into 3 classes according to the State or Conditions of the external parts. These classes are reclucible, inseducible and strangulated, ale of which may be know from the external Condition, even by persons unacquainted with the anatomy of the pats.

The cuatomy of the pats.
The sound of the pats.

The sound of the 3 classes or forms which may present itseff to us. It is called reducible hernia because it may be show towards, reduced by the patient asserming a hyping fews time, or in othe postures can be reduced by the hands of the patient. The bord is lodged in a rack the passage of the feeal matters goes an through it well - and the cascalation gaes and in the part. There is no pressure, no stricture or no confinement of the bowel. The patient complain perhaps of all slight from from the tunour, and is troubled with short colic which is trifling; and is casily relevanted by returning the bowel into the abdomen.

that have to do is to see that the proton and part is replaced in the carrier of the abdomen. His may be done by the hand on it may be done by the patient by ing Nown. We there apply a bound or truns to prevent

"This will almost always of acore in from 5 to 8 weeks. We must not expect this by decker inf. but by allow the parts to contract, and by the restor. of the gen health - the sec. se

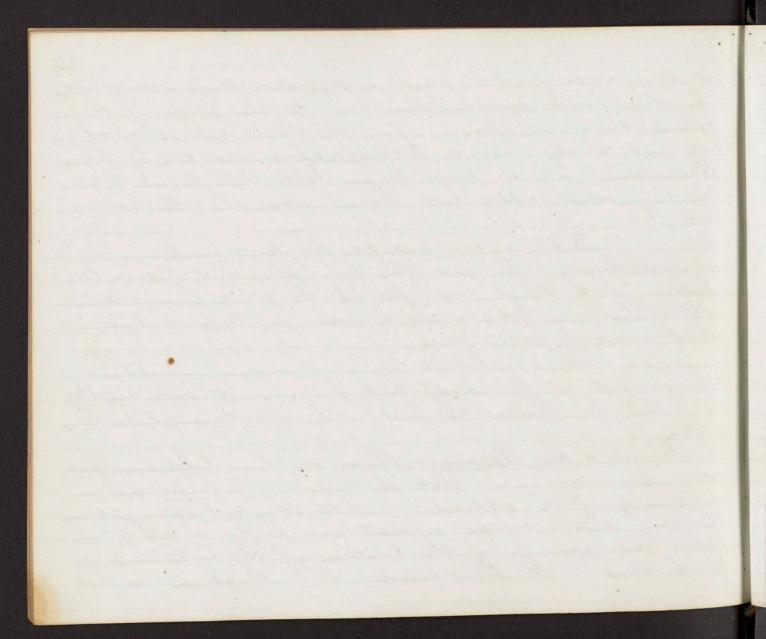
then from coming down again. There are a great Confileration of trussus. The old lugeons merely used a pad which allowed the extestine to come into the appear part of the Canal, This instead of of feeting a come premented it. They thought that a perfect or tudical come never lould be affected. They ared the to support the parts and left their patients to wear it for lefe. Hale has invented a trus for the radical Come of hernia. His trass larsers around the sound side and are the canal of the side and is ofplied to the again als car nal of the other. For umbilieal hermion there is a modific. Pation of this isotroment. In against hernia this instrum ment has froved most beneficial in my hands, but in femore hernia it commet he used, the coural Canal being too low down for this town. With this towns I have age more cases of injerinal herrica than with any other. I have had a sade father in Pare, I was radically cased by it is 3 weeks. I (are since taken the most active exercise with no return of large sine I would recommend & Chases has the

I this is more lie to stran than reducible.

block is made of wood which is lad and does not essitates The stape and position has been to the stape of the in quinal Canal. It preses whom the whole course of the ca. naly and thereby prevents a concealed hermin taking places Hulls trus will in large herma allow the basule to enter the ring at the upper hast. Chases closes the the whole co-Is blace has invented the least instrument for Jesnoral hernia. The pad has been shaped to fit in the Hollow of the thigh and file of the whole Course sand. All others have been made to press on Pouports ligament which is not the proper place.

His ambilical tours answers as well as any other of but in fat andfalent persons it will not keep its place. In these the best is the old examplales tours

Ineducible Hernia. & Theres is this difference from rederable herrica - that it cament be replaced in the cavity of the aldonen - Still it is not strangulated the ming days not press expanthese parts so as to inpede the passage of the contents of the entestines or of the blood in the blood wessels. The strictures is not



sufficient to dam up the vessels and wender the passage of this Contrato tospid, and (is not sufficient) to freverts the peristallie action of the bowellow this Contents. If the patient lift heavy weight, or take acquantity of riscial feees, or more blood in the bowels. the should therefore avoid this and avoid all indiges tible or chokiety articles of food, as termits, Carrots and heats, by doing which he may live with little endow deniance for many zeens It herrie may be irreducible and not otrange lated - let a strangelated herria is both enoderaille and strangalatel. In the first place the howeld may be consdicible from the use of the contents, which cannot be neturned without. (Then by the taxa's from the subargament we coment return even if no adherian exist between the outside, of the bowel and the hermial oak, Large parties of the once term in the hermial Jae, whiel become imitated and grow to a large size may prevent the herrica from being replaced,

\* perticularly femoral, in which he is prevented from walking, and kept with his body best forwards. I have spended in 3 cases of few. her of small sine contrary to rule.

Adherious may prevent a reduction of the hermia. Ilight influention grows just difficient to produce adlesion - them by the falient lying down or & force. Anoth Cause may be when the Caecuse Comes down. Being behid the pentoneum it comes down des. titute of a peritone at coat and then the bowel itself ad heres. This is destitate of the slipping nature of the series menhane sussounding ather harries, from which it very readily united the question arises if any operation can be forformed to rid the featient of his inconcerneuse and deform ity. At is obvious that we cannot messed in sexturing the contents, unless are lay open the whole sae, unriddle the whole of the entertimes, and namous the typestrophied coyle of paintendern. If the oracestern be noturned in so thisher ed a state it would endange efforation in the abdumen. Is open so large a such and by cully ad tearing any the intesties we would undanger by. I think we her er would be justified in operating when the herma is large. Puly in a few cases, who the nexture is small, ad the patient is obliged to perform labour from his subsiste co

. THE RESERVE THE PROPERTY OF THE PARTY OF THE - A - The state of the state of

and this prevents him from laboursing one we justified in 323. operating. When mall the is not in much do ger. When Page it is too senera and for a charge of benefit the pelient weren should submit to the operation. Let submit to the encourbenieve. They should wear a suffort and & this prevented. detimal descent, Hy should not left heavy weight and should be entert with moderate sourcese. In thould take Coreative medicies to keep the hours ofen hours at least bur pessage in Ils houses and avoid eating turnels beets carrots and all other cholice agilables. They should eath broths, must and the like Sometimes we meet with a person who must below forth suffert of a family - In such cores we should reduce the furthede parts of frontele. The furth patient in a resulent posture with the head up, with the by flesced on the thigh and the thigh on the lady. This reloves the abdoner, enlarges the Cavit, and fresses wh the nature. He the let the patient or Con diet, ging only granels, or head and water, gave losations and obea. simply draw blood. Hadesth's absorption is buylabout by whel the thickened one-town is made small and the adhesions removed it is a loss in the animal econ-

A THE RESIDENCE OF THE PARTY OF THE RESERVE THE PARTY OF THE PA

ony that all hypertrophica hats will be called on first to supply its mants, der I ar 5 weeks the tumour will feel lighter and I offer. Here we may use the manual effort a troop, endeavoring I aday of prope free and gapoper a direction of the force to affect a reduction. the pressure it be made wheads, attends and back unds, Alego make the force in a diestin the seners of that what the boul had taken. Frost pais muthe then not to instale the forts in attents of reduction The most take the palmon surfices of the figers and some the intestices and work them from side to side and in the direction officite to that is what they have descended. Endeavor to force out the Contests, which we may have somethis pessing with a guighty sound of you find no in-pression has been made the intermet. Wait for day and try again. In addition to this cloth may be offlied under the temour and pressure made whom with plates. Trenthere plates of sometime we evaporating Potions. Letients have afterlands taken active exercise. Temoral. The is generally not oflerge

sine. de reduce this we must find is a different diec: tion. fist backnads, the whends. Dometies we must downards, the spends By fath majority of large inaduable reptire are of onestuno rolling about in the covit of the abdonness. Hear heft up pain and gave to occasions attacks of inflama. lasted for 5 years. at the end of which time a suptice took place in the linea also, just above the linea trans verse for which I had to operate. He got over this and Ince, there have been reals shed trude I should frefer using & ouspensory, to neturing them (the parts) to cavif of the abdonce.

and the state of t 

Lecture of the Sannary 23 rd 1843. Strangulated Hernia his is one of the nost dangarges and interesting subjects of which we can treat. The idea that it is a tight encucling of the suftened parts afollowed by pair, inflamation and mortification which requires opium & blood letting, and if there fail use are driven to an operation, Comprehend, all that is said on this subject. The useal Course is to bleed in these cases till fainting is produced, In feeble and prostrated and cold states of the Dysten this plan might procee fatal, the system being anable to react. Having relaxed the register by the bleeding they then resort to cathatics which they think tends to draw back the bowd. Then knowing that emetics produce relaxation they give these, after which, if the patient throws up sterioraceans matter, they become alasmed and give opiate, under this the strangulation conses to give paire while the suis chief still goes on. They the refer to books and give the tobacco injection. Under all this they have failed and the they come to me and ask what I give for as than gulated neightures Induant for strangalated hapter. We must come down

to the Condition of the parts and the Condition of the systems He strongulation of a bowel produces a great variety of symp toms, which require a great deversity of treatment. rise upon strangulation. In one, met will in a person not ordinarily flethorie, and not liable to febrile excitement, a nufture forced down suddenly and tight encirely is attended with cholichely hair and nervous instability. The patient two is cold, feeble and hale. Men the fatient is of a fall habit, the arterial predominating orace the nervous systems, when a portion, of the boul is funced down, either alone or with a parties of the omentum, Constituting an entero spiplocele, there are lymp+ toms of excitement presented to us. There is quant unsculor aurangement followed by local influction, a had and tenso Julse a day tayer and shine and drying of all the secretions (in this town on inflamatory state occurs.) There conditions, in these 2 states of the system, occar In the one, where the exists pain in the abdoness, leat, and a daying of the secretions, the course is rapide The inflamation united the parts to each other and there reas outo mortification.

In the other, in which cholicy pains and nervous invites. hility excist; in which there is debility and a cold state of the system, then is a want of tenderness. The fetient may excelit a state of prostation and simbing, which is from in direct debility. In this Core mortification will not occar. I will give I comes to show there I states. Case 1. A gentlemen starte and engorus person, statech from New york wanthoused in prossuit of a thief. He was highly excited at the time he lift, and on the way fed him self up of drinks and stimulatery food, Then he got to Elis abothtown he made fight in the Stage: he gunping out of it , he felt a rip in the grown. This was about 11 oclock at night. He never minded it at the time, got into the stage again and continued drunking until after day beak. At this time he was unable to stand exect. He was weight to my louse. His face was sed, his fulse terres, had and conded, and his shin and tongue dry, I examined kin and found a small tumour about the size of a fullets off at the injainal ring, who saysafteres indi outed inflamation and fever, He could not bear fresthis blood from this would not postuce farting, a

exerced the view in the other arm. By this I trong to an franti ing which relained be system and broughton perspiration The abdomen still remained (Lowever remained) heard, tenso and Contracted. Finding it impossible to overcome by black ing, and the case still to severe, I gave an injection to get an everention from the bowel, below the structured partical had him placed in a warm both, and the placed is had, The warm hath seemed to do have increasing the initability. I now gave cool drinks and applied founded ice in a bladder one the abdonier, and over the protected part After this he fell asteep and felt Comfortable. While aslesp I examined the palient and found the tumour had gove, Muscular relaxetion was brought about. The contraction of these (whol) had forced out the howels, and which contracting continuing, kept thew out, being to-Ken off, and the paristaltie action of the lowers return ing the intestines had gone up. Case 2, A man, living in northern liberties, while moning an ash barrel from one place in the yard to another, fall suddenly a teasing sensation in the grown. The dieter is at tendance, but knowing the nature of the case, sent to my

house stating it was the most Carians case he over saw. Being at oupper at the time (with Do brieth of Baltimore) I finder Land them went of in Company with him. I cutered the house and fund it in a fightful condition, The clairs were terned if side down childrens plaything thrown about the room; every they indeed was turned over lest an olatenplate stones, I found the patient jumping about the room and turing sommests. At one time his feet of in the gainst the able and at another long over the table. I attempted to examine him, and he jumped up and now to and bound with his grown whom edge of the table. I at legth examined him and found the sentern, lage and distinct, thereing & transperent. There was no fain upon pressure either over the serotum or aldomew. On the Confeeble and the skin cold and covered with a clammer perspiration. The muscles of the addomen were opposite to relarcation - they were hard and home like. We were all unable to tale the nature of the come from the graptions, the pyriform shape of the scroter, its softness and transfer the spermetic chard. I put him is a warm both and the

him as engestion of flanseed ten land assess, and gave him taked um & calonel aternally to allay the established. Item placed him (in lease) between belanchets. I left him and left directions to let me know fan better. I heard nothy more from him and I days afte went up, and found the tamour had gone down, Thoway it to be a come of sufitine which had naturned when the Contraction of the misches of the abdomes was over come. In there cases of cholicy pains and nervous instability you may give yethis of grade with 60 to 100 drops of laadrow ; and entimally Igns of open with 3 of Calonel every low, with the worm both autil the Ly suptous are all yed. which by treating the symptoms as they existed the hernica Where the hermica is accountemed to the descent, from having been down for a long time; who there is a large quantity in the sac, the may are large, the colic not Considerable, the abdomen large full and bloated, it is difficult to class it under cethe of there heads. Then is not so much depression as there is in the one, neither is there so much excertement as in the other.

on this state we may belood to a moderate extent. this may be sufely done by letterday a a depending posturo. ala da vice injections may be reserted to - But not pregatives to excite the peristallie nation of the bowels below the Itime. tured part. Her according to the state of the system, use Cold or assur applications. If the fatient he warm, use cool ing applications. Open whiskey and water with a cold of. Pheatin to the herniel temour. By this we will course the distended vessel to Contract and I hrivel up, and produce relosation of the muscles, after which by the modcrate application of the toxis we preture the lowel. Ef the patient le cold I prefer the warme Softplications, He were bath may laused after blood letting, heated to the temperature of blood heat, and the the patient way be wrapped in blankets. By this a complato state of nelocation is brought and and the fatient has fine. He should there hie is had will the legs (elevated) and the shoulders clarated to produce se Paration of the aldoninal muscles. Under this the cholic well be overcome. Having releised the section of an agection, you may throw whom anodyne - 60 to 100 to be of landnew. Under the the patient will pasoping

May got a possage in hern. of orneut, and enay but off so, only for some time by them. In strangula, of one of the apendices epipoloica also, they may be uneful. another case is where only a small more of the gut is strangula, and the sest open. In there cases under the use of injections of purious we may get the contents down; but it is a lad practice to give them he cause the strangulation may be one of these kinds.

sele-cation of the muscles well be brought about, and he will fall on leep. The ese may return the potruded bor els. Ef large it may be saired whom fillows and pressure made whom it by means of hounded ice in a bladder. The are of purgatives is improper and i old incarcurated hernia. - I apply the term increaseted to hernia, in which there is an impacted (state) and horders. otate of the faces in the bowels in the hernial sac, and not atteded with a stricture, and in which state the fatient may live for a number of weeks. The occurs in hernia of large sine and long standing particularly took while there is a loss of the periotattic action of the bowel I have always found caster out, cremortant on & jalep, or the compound colocynth full, to answer, I have never seen a love in which there was storeoraceon bornity in which the partient had not taken purgatives. I have never seen a case in which this vomity took place in my practice. I have said then is only love in which there are indicated. ( It is in the increased harmin of . The loaded will a man of industrit feeces withis there may answer and even do good. You may

agolad the Compound extract of Cologneth 1 or 2 grains i times a day or tespertine and oil, and every for 2 hours as enemas entil we got the bowels to act. By this we ofthe crecite the peristable motion and releive this state. I have never seen large , oolid fees thrown up; never, even where cotherties have been given grices. I will not say Lowever, that the ileo-cecal value is perfeatly tight as come have said It is a hid of fluid that is would smally like a rotten egg. Then perticular portions of the bouels are gives rice to stercoraceons vomiting was the opinion of Ione but a thin it is a mistale. of we have produced relocation of the aldoney and the fasts still renain tight wedged, so that we cannot affect a reduction under the ine of the toxis, then prefer an operation. No may want for an hour after this relasoration has been produced pefore we operate. As to totaceo this is only to be used in ungest deses. He only think of as any it in there canses. If the patient has been bleed, and worm and cold applications have been used, we still have straining and bearing down, and still have violent and tetamic con-

haction of the muscles of the abdomen; it is a most soueseign remedy. It is a very unpopulor medicine, but under this state it can always be safely used, It must al ways be adapted to this state. In administering this sem. edy to a patient while suffering under pain and spasmit will not overalely the nemous system. It expends itself in releining the nervous system. His remedy has been used too Door before the system has become susceptible to the disease. When it is explited too late, when the howel is mortified and the hatient weak a small quantity will destroy life. Then adap ted to the state of the system it may be safely used. Conce had a come, in which the attendants pumped in ifor sion of 2 hounds of tobacco, who the rectum. I had operated you this hatiet, and the contraction of the addoninal mis des forced further out (the bowels), after the otriotive was removed. I had an inferior made, and wishow to produce relocation of it. I left due otions for using it and Called back - 20 munites, when I found they had pumplet the infusion of 2 lbs. There was no name or no proshatin (followed) It avercome the contraction of the mocho and I returned the bowels. There was no need of Using the anterdates for tabacco in the come; the best

the state of the same of the s

remady is cold air, cold drinks and cold injections of water, when tobacco deprepes too much. Or ordinary comes tobacco is not required. Then the fever is overcome, selecations of the abdomen is trought about, and there is no pain on pressure, them is the time to specte, and it cannot be done too oran, of we heate be firethis is brought about he operate too Doon, If we ofwate when the mussales are hard & contracted, then will not be a base in the aldoner for the protouded howel disterd of waiting for 1-2-on 24 home or 2 or 3 days to operate, we wait only until he have overcome there, and then we have only to overcome the obsidence. We now employ when addominal muscles relosarely the judicions applications of the taxes, which any he repeater ed for a reasonable length of time, after which of the bounds is not returned we aforates.

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The fascia paperficial, all
domen and separate the intermed from the march.

This is compared of somewhere of lamena of condense.

The state of the s

sed cellular tissue, which by frequent handling, in cases of suftere, becomes thickened from the instation produced. Some surgeons in afterating for strangulated herrica cut dies rectly through this when the walls of the inguinal canal. have seen surgeons work for halfer hair dicking up land ina after lamina of this fescia in a thickened state. I cot in operating, above the tumour and consoquetty above this thickened part, introduce my finger under it and strip of up. Howing done this I come down on the ring at once. the inter Columna fascia, which closes the external man give of the ring, gives a covering to the pac as it comes down under it. (this covering constitutes the fascia propries of the hermial sac. It is only called ferein probria in femoral homeo. He reason is that the comaste muscle forms, in injuinale harrier, an investment to the Oac and neck of the Dace. As this investment is of museur for and cellular testure, it is not called a forcia prog pria.) This Covering is what we first come on in operating. butting through this we exchose the ging. The introduce the figur with this and ofit it up, and then we see the abdominal or inquired ( and . This ruse of wands and veterads, and is about 11/2 and in some cases

Inches in length. The anterior and is formed by the tendow of the esaternal oblique, and the external by the tendor of the external obligue and transversal's uncles. I We ditiguish the internal oblique from the transcesses muscle by the lin cumples artery which was between their. (In this could the ac I wokes. We have the Deferior border formedo by the external oligion, a lettle above it the infinite born der formall by the internal obergue and on totthe about this another by the transversalis.) The very back part of the wall is formed by the transversalis fascia. Between the transversalis fescia and the peritonen news the epigastic arteny. In this place it mis directly towards the finition and with it gets in the sheeth of the rectus and then it mes parallel will its fellow of the opposite side who was If we do not cot deep, we do not get in contact with this. Harrible cases have been given by the after surgeons of itemal hemoreting from wounds of this artery, attended with syncope and eillapse. By cetting duethy backung this might be out; but if a blot paint listony he used, which always ought to be used in operating this ontey were. er well he part. Of the transverse fiscial he to sent of otio. time it may be cut, but then it regimes a length hor-

rible work to get at it. the internal ming. Consists in an allique exercentic hal in the fiscio transversilis. I not belong me have the files of the transcersalis muscle, and light what is auching by the filres of the external oblique musele. In cremas. ter muscle does not come through this from the abdones esth wessels da bet is made info Relong it in the mig. from the file of the externel oblique and transver salis. The vessels of the clorde praje through the and meet will, at a sort of condensed sellenter testine which is the enternal Columna Jascia. The spermatic vesals pass though descending to be consisted by the files of the Cremester which mus from within the canal downwords. Through this canal the howels descend in aguinal tennias hits progress it carries the epigastric artery before it. the is always found on the public side of the harmial Das. If lage it causes it to encircle the needs of the Das by fushing it in till further. Itill if conspil we nevwell touch this artery. If we cut towards the combilious harallel with it we never will cut it. The may cut inwe do not made a sesses motion it will not be ent,

May in the natural descent of the parts we have the cremaster muscle in front, and the bessel and nerves be hind the hemial protossion. A protons in through this passage to called (in called) Oblique ingenial Hernia.

To called (is called) Oblique injected Herrica.

Nometimes we have only a partial descent of the herrica. It protectes through the internal ving, but does not and low enough to escape at the enternal orifice of the Canal. The remove had bromp in the consumer halpes out making only an absource had bromp in the consumetrion Canal. It is a tumour of the Canal. Trom this it has been Called Concelled Harming. Many be trent, porticularly, confulent persons, howe died, with this concealed bearing unmoticed. It is as aff to terminate fate. If as a complete herrie. In all cases of pairs in the ab. donner with Colic and abstinate roomiting, and particularly of the fair be confined to one grown, you should essame use these parts.

Too should in openting cot down on the pilline of the course, whit who the tendon of the esotemal of. light feel for the internal obsidere, and est it infoands and inwards towards the combileres. Another herica, which is said to be found in one

Case out of 20, but I do not think so often, is that in

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in which the foscia transversalis going way between the ofigastric artery and pulis. It comes most through the forcion makes a tumour like a bootton under the integument and Inperficial fascia, and comes, on the cimer side of the artery. From coming directly through it is called the direct descent. At is dreety belief the external ving. It this form we never have an internal stricture as there is no Cand. A strong after rolling a hogshood, lifting having meights, or tasking will have this give way sel illy. The grantest points of difference are that it is on the inner tode of the epigastric artery and that it comes directly through. the distinction between the fas. Cia trancesolo ad chicases f. is their. The transversely for cia arises from the external edge of Touports lugarent and the pules behind the assertion of the muscles and sure aproveds on the parterior force of the transon solis much. The diaces forcia his internally over the theires and proces muscles. The 2 force meet at At Porperts ligarent, the slope leng, in the body that of an france led fest of a funnel, the take pest of which is the coural canal, in which runs the course

sends. The thorp owned by the facine later which some of a layers: I was the fact of the versely, called the scentomers and canother on the posterior face of the versely, called pectineal. The pectineal is Continuous with places facin. Pomperty his a ent, explends from the art. Departin opin, process of the iliums to the crest of the palis. The part next the pulsahes a doubling in of a crescentic shape, which is attached to the spire of the pulsar, which is attached to the spire of the pulsar; this is Grin besnet; ligament. We have the femoral ligament of they are tending across the coral, tolther is soft and pieloling and is never the west of structure.

Sectione 52 nd Sanuary 20th 1843. recent humina I transported Hornia. I Direct descents. Operation. Inshe and incision and include and him legth, through the integerment and forcin superficiones down on the landons of the excernal obligine. This incision is made over the needs of the Columnar hands of Brinslow which I show a little and the soler. I have a little and the soler. I have the Blust point bestown, and shit up the stricture, use the Blust point bestown, and shit up the stricture, dilating it will out touching the hornical sac. The if the field he love I introduce them.

In this hermial, we are generally called in dereally of to it has taken place. From the sadden feely of somethy giving way, and from the wisherce of the pain and colie, we are collect in. and by this it is prevented from reaching as large size. It is not as in the object injural while some times Come down gradually and we are not called in until it has reached the Desotion. From this being male and but. to like I do not cut the sac let return it into the conis. Org when the patient is cold, weak and pulsless, will a elistended abdomen - ogniftons udicating mortification, do I ofer the sac or when there is reason to apprehend streeting in metry such Oblique Inquinal. Operation. The may have the stricture at the internal ping. I slit up the parts over the nech of the one down on the external thing I feel in the Canal for the structure with the groups and introduce on int a a growed direction, and shit up the stricter (with a exacking moise towards the untilious. I only press with the bistory and do not make a sesson motion. At might be asked why I do not cut opposite to the astery. he reason I give this is ( because you are not so oft to be con-Jourdal and because you are not confident of the descent

In old harried of lage size where there is dragging the inter ral mig is brought of own noon the esternal. In that it is hord to tell which is the interest. If you cut then, in the disction of the unbilices you will allways cat night, and then will be no danger, as precially if the knope he not too sloops of free for a knope which is momentated dull, by use, for cutty the fascion. If all push with it the fascia well give way, and if there he muscular files or other posts they will be pushed before it.

not ofen the sac. Let only shit of the stricture. I alians amin at the sace let only shit of the stricture. I alians amin at the sain first. Some surgeons cut down on the sac, the the the ship the objective. This is an unsecuntifie, mechanical and unsectain way of ofera trig. In all cases of ent on the needs of the sac, and feel for the strictured origine. If if find it at the internal my I shit this up; if somal hermia, I feel for Grindensets ligament and olif that up, After this I can prince to her itements. Feel the contests and sulfit in any figers. I can can be ship the heritoneum. feel the contests and sold it is any figers. I can can be ship if up and lot out the fluid and answered the contests.

herions or undergone of hacilation. I there ofer the sac. The reason it is heart to ofer the sac in old herica, is that we get mid of the dager of internal strangalation. Then ever the herica is old the sac becomes thickened. Authors ofert of replacing the sac, but if howe tried, I only furt in the neck.

There are cores in which the one term is in the sac with the intestine, the ometime enceiding the intestino, which may endanger internal strangulation, the once term and howel heig adherent.

be a cause, Sometimes the omention becomes town is places and mised with the lovel, and adheres at different places. For silly we may have the livered give way at some fast, either by mortification, or & force is not turning it; or we may have a roughture l, the injudicions use of the toseing but abdomera.

Otad, to lay open the sace If the achesions are not able and extensive it is best to cut them across. If ne orderigane

ant, when they are loosened, returned them. If an ontey be ent ( be at) tiff it bleads, it is thest to put a ligature around it, cut off I and and leave the other out through the extende wound. We want until all vosey of blood has caused be fore we setum the bosol. Minide the mig and much of the bace freely that there may he no impediment, and treat it as an imoderable hernion, an ving a support for the facts. In cases of notice in which there is a large portion of omentum in the hermial Doe, which is thickeness or type-trophed, as it is sometimes found - doubled up the sie of the fist or of a hair agg: is there the mig comment le dilated to a sifficient sine to allow it to go back in the Conof the obdomer, and it would be dangerous to unracel the cayle. The grestion here is whether to cut it off, pers alig. ature around it or lower it down, In all these on so, is in every the clase, we must be governed by the circonstances of the base. If lange , as I found it is I gase, in which I percount a gargrenous o down to set remandled it, of large sine. found the reins large and black and found that the

Circulation through them had coased, and the blood had fea-Colated though there. When we unravel them (their), if we find the black circlety in the veins, we may unsavel lange for ties, and return them. When small, if not still too lage for the viry we may reflace it. of large, and loving a narrow pedestel of prefer to cut it off. It would regaine too great dilation of the ring to replace it. If it he lage at the lase, filling the ring . I prefer to lot it down. He then close the would over it by interested outcome and a compress, and it may them be absorbed. If adhesians exist these may be removed by absorption and it may go up. When we leave it down we keep the patient on his back for several (weeks with his thingks and head elevated to keep (releved) the redominal murches relaxed For the cuts times, we must down the treatment from sold individual case. All are aft to are an seeing w black looking intestine, or seen in the sac a browned or greenist flied, or a flied like Coffee ground (in the Dac) the fluid i shap coloned and the bowel is oft to be doesto. If we find it not nottoen upon boudling, there the witality may be preserved, of the mussy which it reMany die after the operation, not from mortification, but from a paralyonis of the muscular Coat of the bowels, to remove which, I have been obliged to resort to mercanial alteratives carried to gentle salication, blisters, injections and in some cases magnetion, which had a good effect. This paralys is always nots to a sufficient solute to prevent the howel from leaving the external hole when replaced.

cows, if I may so call it, afour its netern into the abdumen, the old idea was to leave all black intestines ent. and cover them with some soft opplientions or famenter. tions, - the lost of which when they are and is warm water - lowing them to slagl, But this may convert on encipcent into aspected mortifications of we replace any fort ever so dank, if it will bear handling, and bear the motion and force of putting it into the abdomer, it will do better thouse if left out. Only in I care have I known the bound when returned, term out to be mortfied. The and after 15 evacuations from the bowels were brought a bout by losestines did it give any , and the Contest infiltrate themselves into the abdomen. When raplaced former. tigled, a carrounding felliale of lymph will have produced unior of the parts, and the cavity be protected. We shall only home a cholisty state of this part of the entertime "It is a fact too, that a mortified point will remain directly behind the external ofening at which adherious will take place, and if the bowel give way the discharge bell be external

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Hemoral Homia. In the kind of hermia the bowel Comes down behind the forcion transversalis, Ponfarts & Geinformats legaments. The Jemoral lyament (f) is oft & yielding, and is not the roat of the stricture. From this fact we never cut Hay , legament, but Timbernaty, which is the orsential and real sout of structures The lower Comes down always in a natural descent between the nessels and the pulies. If already exist which has detacled Portato legament from the bone, there may be adifprostraich let I have never seen one such care. The bowel Comes clown the Canal and limsts through the conbission Conces holdly out. Often it comes up our Powherts liga. ment in the against region where it may be mistaken for this hernice, and the force to return it he excited in the wrong disactions on this Core was must first crowd it down below the ligament, then backwards outh feetines muscle, then operads along the conal. It does not always take this course. Dometimes it comes out wards and expands : I once seen the tumour lodged in Contact will the Depenior anterior spinors process of the ileurs. I one. times the coelsiform fascia well not allow it to escale. It then passes down along the course of the temdons, under

the forcia lata, some times as law as the knee. We thun have to press it all the way aprecades.

Otrangulated Flemoral Hernia. — Operation. In femoral her rica he est down on the neak of the saa. first. I begin the incision a little above Pauparts ligament and carry it down over the tumoun. I then deeper the incision which interferes only (with) with the pudendal artery. I out the fascia lata, inseit the handle of the herife under it and shit it up. I then pass in the fagor, feel for I'm Remote ligament, cut it, directed by the friger with a blint point and history, towards the unbilious.

Secture of 3 od Sanuary 26th 1843
Congenital Inginal Hermia. This is a hermia which childrew and born with, and which is confined to the injurial
canal, never occarring in the fernaral region. His a med
faction of the obligar descent. Owing to the fact that the
testicle comes down through the canals, and brings
with it a paces of fectoneums, there is left a neck a
bone and a fouch below, (above the testicle) This process,
constitutes the tomice vaginalis of the testicle. His general
g closes after the descent of the testicle, and becomes a

State of the State

deparate mentione. If hering takes place after this closes it is the Oridiarany bernia of the oblique discout. It happens let while the factor is in atero. From con has tron of the externs the abdomen is knowed, and a piece of the bowel is forced down, and being in the conal it prevents this from clovery at birth. It may take place from a tight bandage around the child pressing the abdomers. It is a common practice with more to budage the child, a tractice which the physician Drivald never allow. It differs only from the common hernia in having to separate hernial sao, "The hernia is in centact with the testicle, and must always be of the oblique descent. It lies on the front of the testiche with a litthe fluid. If it become strangulated this fluid wife become of a dark brown, dark green or coffee ground colour. I have never seen a case of strangulation of this form of hermia. It wast be of the oblique descent, and will the arten on the perhal side. This form of homica is generally badly treated. Many think the fatient must not wear a trans, and leave it with oil, a soffert. A week truft may be worn. He old towns of Jarry is generally preferred having othings under

the perineum to keep it in it, place; last Hall, trais may

many be used, and is the one I employ. If closed early will a trust, a radical care can generally be effected in I or 4 months. There is only one difficulty in the treatment of this form of hernia, which is in some campleocted cases. Imetino the testial of one side has not descended, while that of the other side is down. The lervice many descend and the lesticle neuroin up. It is then aft to enter the internal ming and remain in the canal. When we have this Compleastion it is difficient to understand it. When we have sen turned the bowel, and feel a lump in the grown, and when the testicle is not in the bay we have this state. The must heek the fatient on the back, releine all insitation by leach as and punges. The then attendpt to get it down. If it sleps lack ofen attempting to seize it, we hastit back in to the abelone and offly atmoste produce contraction cand union It will adher to the back fast of the my. Another is what is called infantile hermica, let this is not a conset name, and (which mane) should have been applied to the other hamia. This is a species is which the tunica vaginalis is closed. The homia coms a contest will the lepper fort of the tunica caginalis.

where it contracts adhesions, and finally descends all the way down. It is an encysted herica. If this becomes stran gulated, in operating in the old way of cutting clows on the hermy way we well not be confounded. Then they have got through one they go on and Cut the two processes of peritsnews. It is an energeted herein of the tunia raginalis. There is another hermia of this form in femoral. The cut in one Inc and find a fluid Come out highly Colonsed, and then out in another one and find the intertime. In this form there is a previous protousion of the Iac with a narrow neck, and then another protrusion Comes down into it. he open the first, then spen the locand and come is at the intestine. I have not with 5 ceres of this

Diagnosis of Herrica. Temoral Herrica is hable to be complicated with a enlargement of the deep glandy gay along the course of the femoral vessels. The glands may be forced down and produce violent from and invitation, and if the fartient home colie at the time we may think it a case of harmia. As there glands along the aribertarian fusion frescion may produce a temporous like a lut-

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tou which may be mistaken for a herrial termours Wherever we are in doubt it is lest to peared by an incision. There is no danger in cutting down on there glands, and by the wesion we prepare nature for the discharge of pos from then, which may take place in their inflamed state. But I believe to good finatitioner will never nake this mistake. If it he a large inflammed gland, the symp. tous are not argent. The can employ depletion, largatives and the like when we will find it will salvide. There there's a ferroral herria, in which the tumour is small like a lutton, not possing through the cribicorus foscia me are very aft to be mistakers. Where the I gruptoms are ingent out down immediately, Then may be a hornie with a gland telou et. In eiguinal herrica we have a great vone of dis-Cases with which it may be confounded. The obscare of the obscare of the observe of mistake. In this if you feel the tomour, it will press like worms her toces the fingers. If the patient lie down these with feel soft and small. In this them is no strong alation. The may Know arisacele from its being on the left side, not one (are in 10,000) being on the night side. On horning the two-

mour is gluerally on the right side. Which may be the sanay have excepted tumous on the spididy mas mis taken for herma. These feel small in the beginning literal short or frew and the enerouse in size sometimes to that of a ful lets is so.

of the chord mostaken for hermia. When we have tomours former od in the chord, on in the abdomen and they protoude, and they protoude, and they produce a kind of instation like hermia, we are very aft to be maistaken. It is proper then to make an operation to explore the fourt.

Sciss for and other discovers of the tosticles, and bydro cele could hardly be mistaken by your for hermia.

Umbilical Hermia. In all cores of umbilical hermial, an have a hermial rac. I have noner see a core without it. In the spection we cut no infortant blood respels or nerves. The apigestine enterry runs in the sheath of the rection marcle and is out of nearly. It this we are not to cot the sac or to isnitate it & heading. Income to further friger in the ming, without a blent his tony, and extensions.

Bongenital Umbilital Bernia is important to be in deritate.

In all cases in which you see the chard calleged at the um believes, you must suspect a boull has fortruded, and (sunst) tie the cloud several wakes from the unbelieus. Dometimes it happens that the walls of the abovemen are not formed. Jou see through the trans porent walls = of the obdorner the bowels moving about. Dack children never line long; they always die. The growth in there cases of the child is and perfect. This is seen sometimes in the chile which. Orner through the shell before it is formed, and mas about with the just hanging to it. These chickens who yes die. There are only mammonth combilical hermia. In adult the harrier is never truly umbilicals Ais toul, a harrie of the linea alba, the lived Coming through an ofening in this, and not through the un bilical opening. On the hermin of the linea alla. the opening is an obling tale; in the umbeliand hernia it is a round tale. In adults the hernion is almost always oracental . From the the fatty and thickened state of this in adult the bounds Count protende, whereas is wancy, it leany Deft, light and entertinal hermia. There is a fatty hermia (hermia) Dometimes met with

in there parts, which is not ornertal. His not in the Cornity of the abdomer but esterior to the feritoneum and adlering to it. Getter the felics of the misches, the fet escapes, changing until it the peritoneum (forward) It makes up a chold, and flatalet otto of the bouls, sometimes constitution and days persona, which by releving this harmine will subside. We make a has to fit own the termine which is fastened around the abdomer. We fet in fold after fold to lessen the sine of the bag and cause the fat to be about got. When we have get it down we then but or a compress and landage. This is froquetly met with in persons who have been fot and then become their.

Lecture, 54th Vanuary 30th 1818.

After the operation for shoughted hermin, either bowel stoughs after being returned to the abdomew, in by for the majority of cases, it will pas downwards through the intestinas, surrounding adhesions making up the Canal. Upon returning the bowel if it be lived and clarks, we cover the part with a particle water all danger is over. If it slough are discharge esternelly we have formed what is called an artificate cial. Arus. If the opening her smalle, it will one itself,

or a core may be affected by the application of adhesive strips and ar bandage. lomel is among the granulations, where a union takes place ad then the esternal wound healed, There is no difficulty in affecting a cone when only we small portion of the lower has given way, making in it en opening. But Imeting we have it like the thoo ends of a gum borneled for 3 incles of the whole consumperend of the intestine having given way. We then have the faces coming out at the upper opening, and discharging externally. In this base the partition between the appear and loncer purties has been Cut and a cre affected. When this partition is thickened it commother draw in this way, the partition being sometimes he was in thisinews. When this is thickened Ir Physich ma a seton at this thinkend portion, about % of a wiel, which cancel alean show and absorption of it. When this was done the external would was sloved and the forces passed on. Dupay tree pressed this partition with a force of which caused it to stough. Neither of there are as good as that of sewowing it as the featurest is along oftenand troubled with choice or cleans -

distance a flag into the true opening of the intestine and distance them; the but out a notal with portition sufficient Cent to make a free communication between the upper and lower portions. His may be made Demi-luner if you please, al, do not need, make an encision, which will unite. In I'm 10 hours aflanotion well oxpervere, and by adlesion secure the court of the abdomen. Paracentises We have of the abdomen\_ 2 kinds, general dropsy - called ascites, and anaysted dropsy. the gluenal dropsy is morked by this pecahail- the peritoneum is pushed forwards and the Conoc-lutions of the intestines backwards. His lower a free and open space which is occapied by the fluid. He abdones is destended by this, and there is distinct fluctication. the only cases in which there is dager from the operation, are those of programmy or orlanged totares with an effusion, and "those of dremhands, and pessons from malarious districts with bulaged liver. of the patient he a woman you should always examine the Condition of the Interes, and if a drawkord or person from a malarious distriot you stould always examine the Condition of the

hier, its situation and conose. If you place fullows under the Foulder and pelvis, so as to relace the muscles of thealdones, the course of the liner can always be traced out. By Speating below the unhelices, we have so Space where we can always avoid these. If the ateres le Onlarged and visio in the abdonces, we operate as high as the u. lilians; if the liver he enlarged and extend down, we operate below. In the operation I am always content with a small tracker. His has two advantages - 1st the does not continue the parts. Ind it discharges the nater slowly ad allows the abdomen to contract blowly. The must always make first, an incision through the integement, and they entroduce the trocar. Bythis the would will always, close by the adhesive inflamation or 1st intention. of the trocar be large and the water drawn of quick I the patient is aft to faint, or be thrown into opassus, or he alonnings prostrated, and sometimes encourably prostrated, are allowed (time) to contract, by what they are not thrown into rugue or folds, After it has been withdrawn we apply a broad be dage around the abdomen to keep with Stemales of Cension.

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there are cores of officer which sometimes give to trouble. He foramen of louis low under the copsale of This am, may be closed by adhesine inflamation, which will report the offer part from the general cavity of the partoneum. From aflamature in this wife part, we may have an effersion - and smetimes we have a collection offer alet snatter - separate from the general Carity. It has behind the stomach and colors, and clivides the lamina of the me-Occalon. He never have in this collection, distinct fluc tuation. When felt it is generally above the com Rilians, which is the best place to make the puncture for evacuar not so much difficult in distinguishing it. He have also flast my exploragements and funguis tumous of these bodies. this begins in I of the clear regions, from which it sines whereards, finally disterding the whole abolomen. on the last stage, when the whole abdomen is destended we may have some difficulty in whisting it from asoites, But if we asto we will find it commenced in one of the iliac regions are more from that hands. And if we examine the interes though the wagina, and find it pressed down

or to one side, then there can be no doubt about it being ovarion discare. If we have fluctication in this disease, the use of indine and other residues to promote absorption is alsound, He and remidies, given uternally which are of any service are those which consot the general health. If the temon he of lage sine, vising in the Cowity of the abolomen, and oppering the functions of the ris. cara it is a question if an operation can be performed to releave this otate. If it fluctuate very great relief can be afforded by topping, which letters out the contents, and nemores the pressure. The purcture 2 or 3 weles below the combiles which eastered over. Donetimes we feel only fluctuating foring over the abolomer. When this is fett we then combinde only Cyto exits which are distended but fluid. top thee. There is only a thight danger of cutty the opin gastie atteny or some of its branches. Many thes are give en of external hemorrhage following wounds of this artery,

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but I thin the days is very slight. There we have a combination of dispuses in the boaria, as a fleshy tumom or sorcoceles and by stateds, we perhaps feel a fluctuation, which of functured may leave out - part of fluid only after which other points of floor tration one fett, A is they a guestion. whether or not we speake on the others. I have speaked leaving the flind Jane cyst aut, and have perceived flustration in other le Cas before I have withdrawn the trocan I have kept the instrument in the first orfice and termed it through the setten in this case with the next eyst. I have with way spected evacuating & at otherties I ad in one care 5 ayots without withdrawing the estrument, It is Ligalor that there cysts all contain different kiels of fluid. In the same patients, I have lift out in one a dark brown fluid; in another a yellowish fluid; in another, as blood, fluid, and in another a fluid like like . I have been much alansed whom their this flied like lile, thinking I had wounded some of the viscence; hat we now how that blood, lying long is a part will become like ale. There cysts almost invariably Contain different fluids. By the operation we remove the tunion and

torper of the misere, and of this we may enable the partient to get along confirtably for a number of months. I have one fathert, whom I tak every brouth or a year, gutil the is harp relevied. I have topped her in this way for the Post 12 years, and although the now labours under a aucar of the breast, she still enjoys a tolerable degree of Confact. I have had a number of fatients, colom Thanks topped any 3 and months. Dometimes, in performing the homible and bloods of catisfation eve well beginstified. It is a extreme. by dangerous and horrible operations, but it has been performod, though we have not the average number of deaths. an large and flegh temous of the ovaries we are nuot gis lifeid in operating. In there cases we are not certain that it is a temour of the overies, and when they are, in by for the majorit of cores they are of a molignant nature, and from them large sine we may expect a return. Only where a large cost soists can be operate. His may be functioned and the Contents evacuated then the pine. the may be enloyed, and the aget, which frotrades though the opening may be dragged out with a forcety. His openin tion is not dangerous, and may be performed by any

